R E P O R T R E S U M E S

ED 003 746 64

INSTRUMENTATION FOR INSTRUCTION, 1955-70, VOL. 9--PICTURES.

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NATIONAL EDUCATION ASSN., WASHINGTON, D.C.

REPORT NUMBER NDEA-VIIB-069-9 PUB DATE 60
EDRS PRICE MF-$0.27 HC-$5.88 147P.

DESCRIPTORS- *EDUCATIONAL EQUIPMENT, COMPUTERS, SIMULATION, *ANALOG COMPUTERS, *DIGITAL COMPUTERS, AUTOMATION, INSTRUMENTATION, *SIMULATORS, DISTRICT OF COLUMBIA, TECHNOLOGICAL DEVELOPMENT PROJECT

VARIOUS TYPES OF COMPUTERS, REPRODUCTION DEVICES, AND SIMULATORS FOR SCHOOLS WERE PICTURED IN THIS DOCUMENT. OTHER VOLUMES IN THIS SERIES ARE ED 003 738 THROUGH ED 003 746. (LP)

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FINAL REPORT

B 069

TECHNOLOGICAL DEVELOPMENT PROJECT

INSTRUMENTATION FOR INSTRUCTION: 1955-1970

Draft Copy for Editing

VOLUME IX - PICTURES

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GEHA

Fig 466

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GESTETNER

Fig 467

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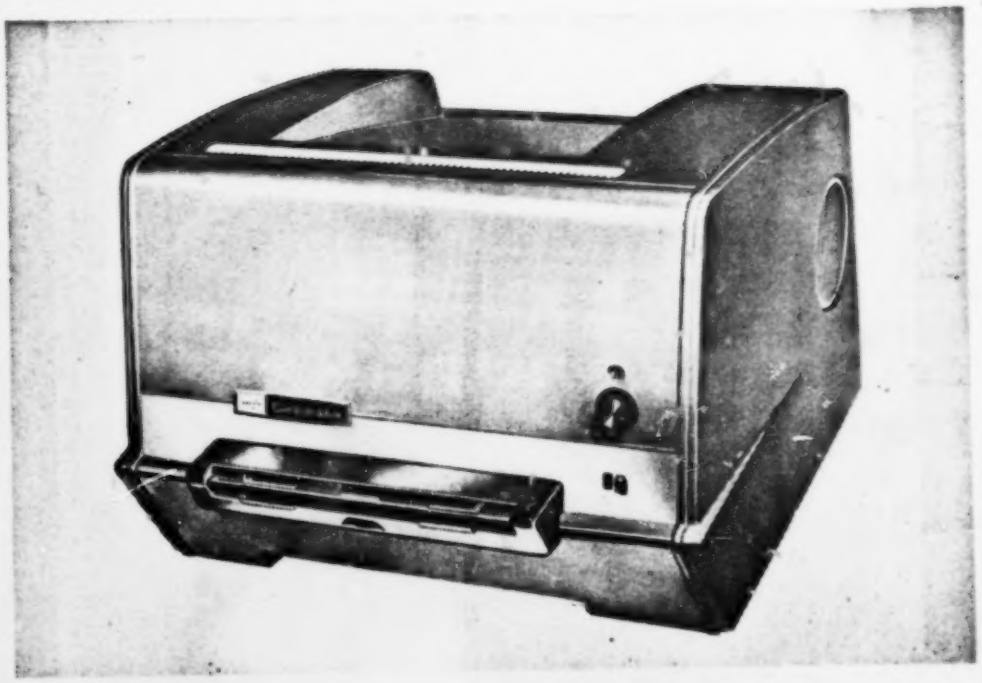

" AMERICAN PHOTO
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Fig 468

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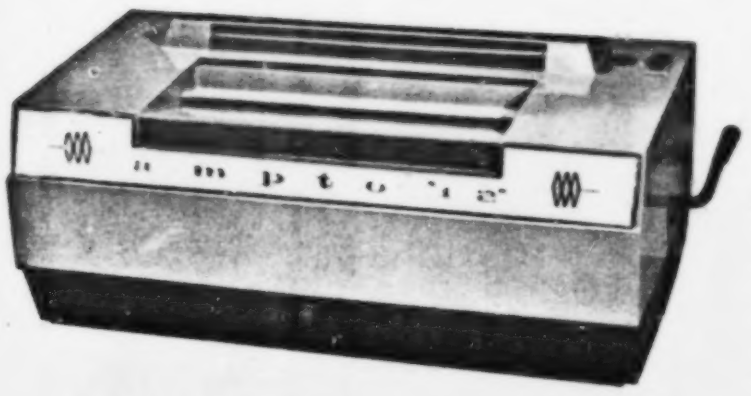

AMPTO

Fig 469

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Fig 470

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BRUNING

Fig 471

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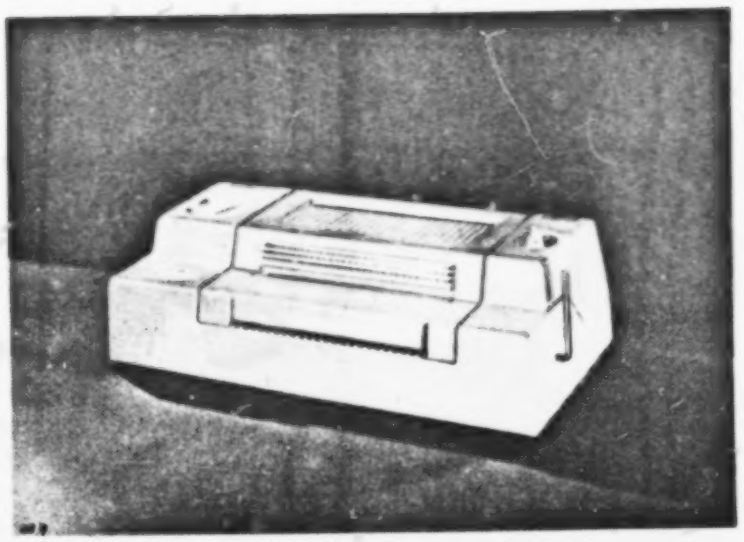

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Fig 472

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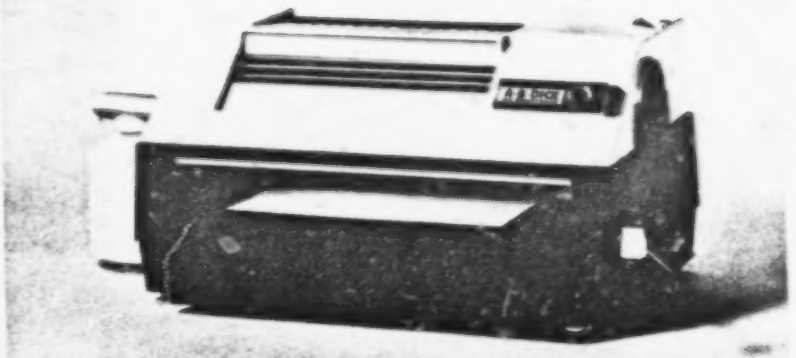

A.B. DICK

Fig 473

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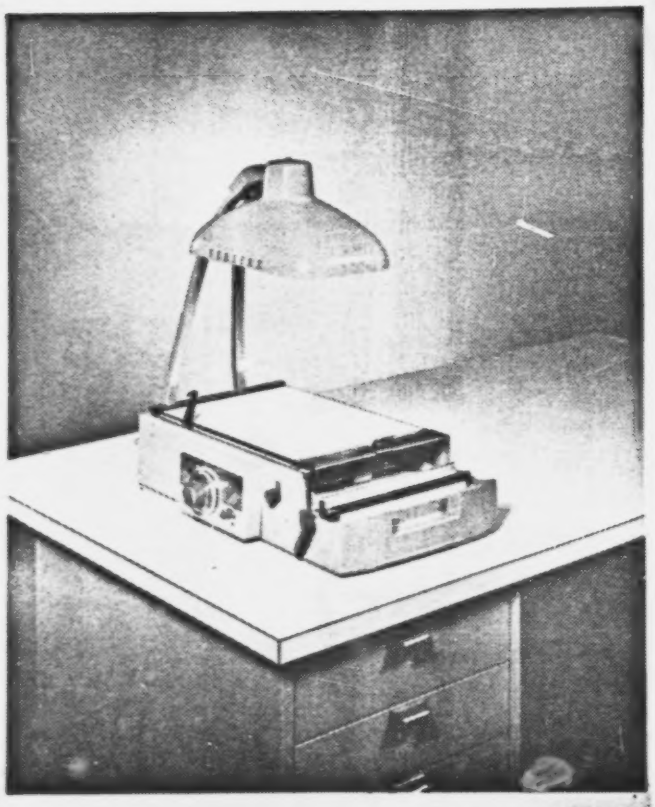

EASTMAN

Fig 474

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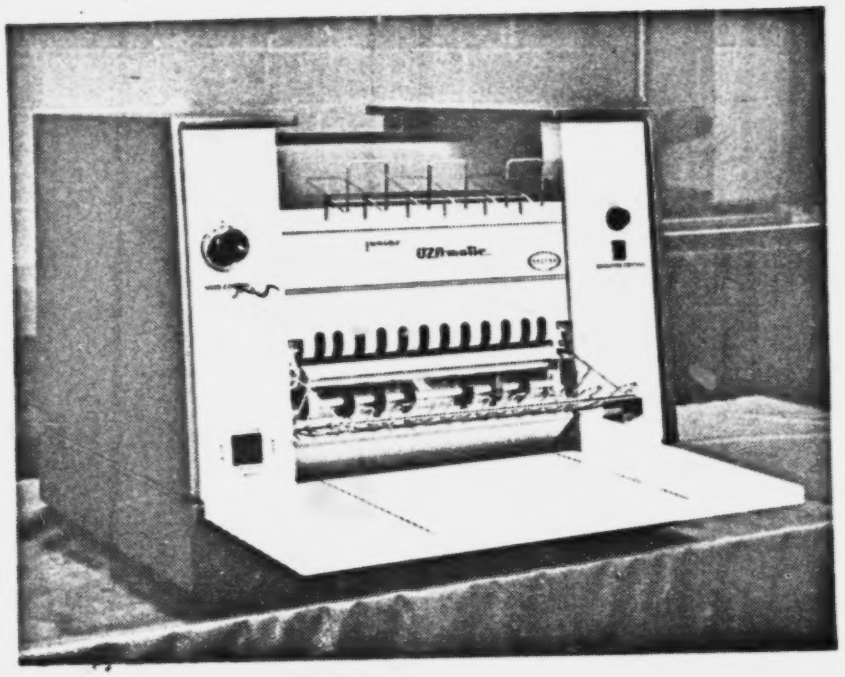

GENERAL ANALINE

Fig 475

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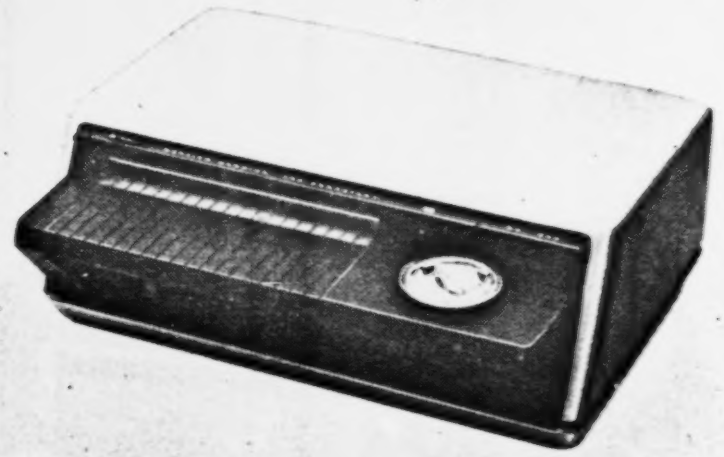

3-M THERMOFAX

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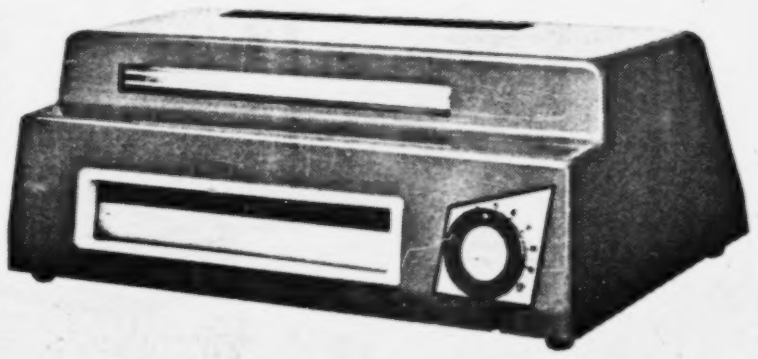

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Fig 479

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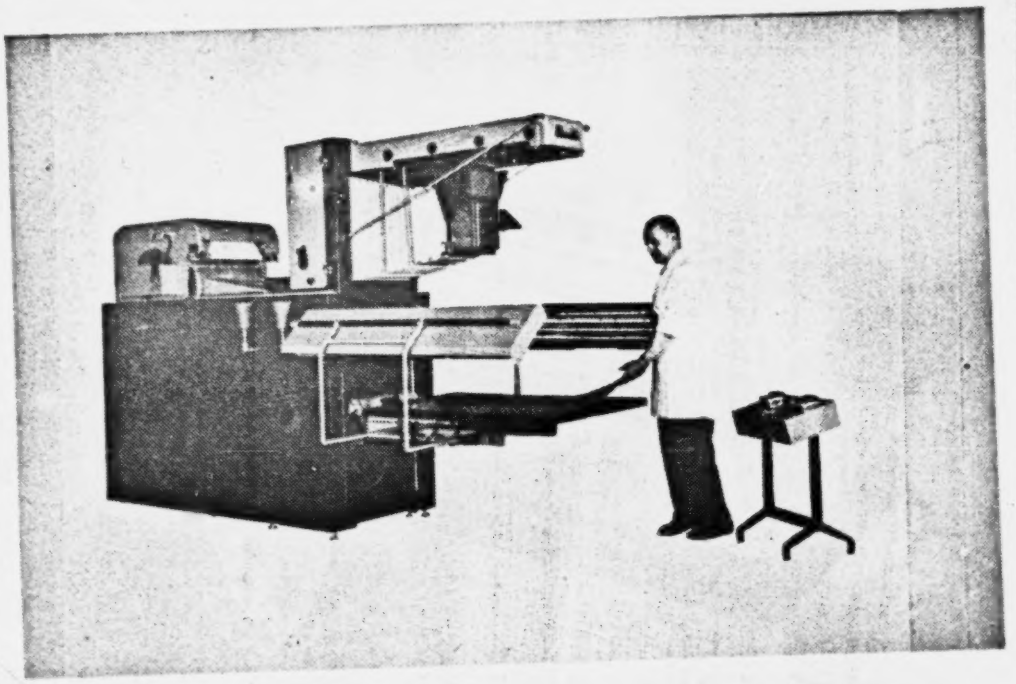

PHOTOSTAT (ITEK)

Fig 480

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ROYAL McBEE

Fig 481

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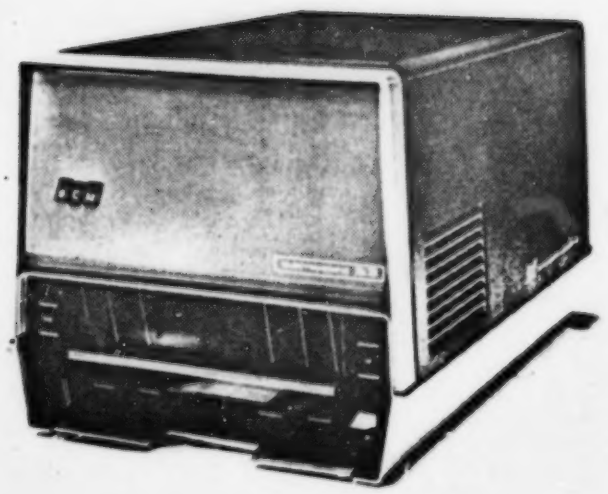

SMITH CORONA

Fig 482.

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SPEEDOPRINT

Fig 483

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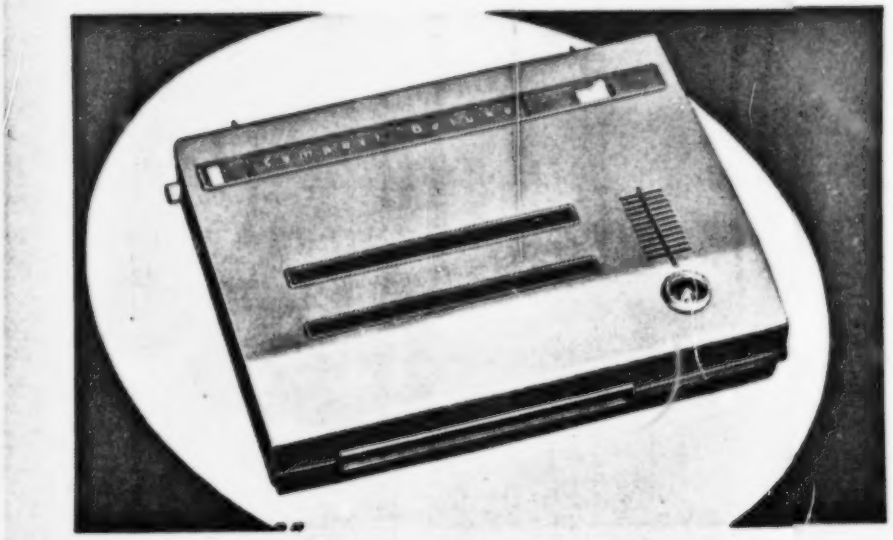

" TRANSCOPY

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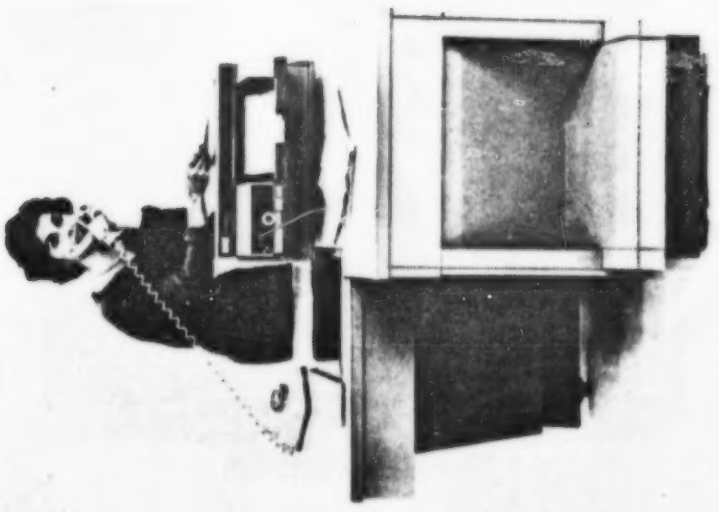

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"XEROX

Fig 486

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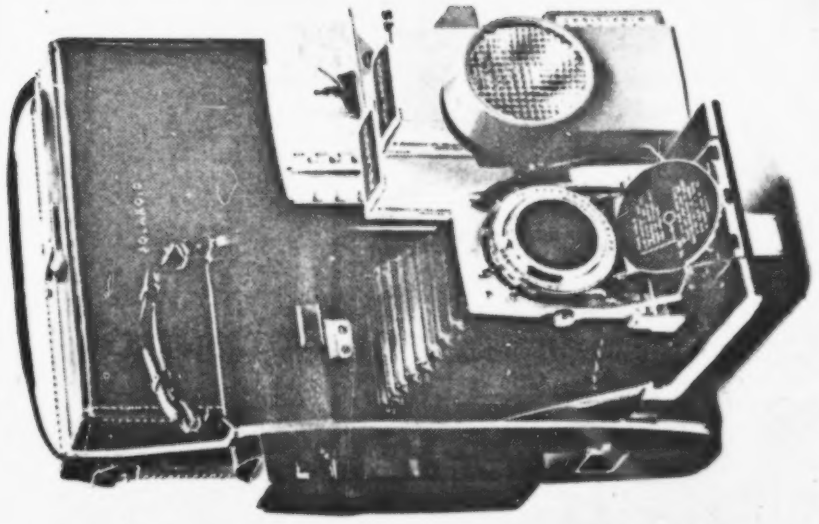

" POLAROID CAMERA

Fig 487

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U.S. PHOTO

Fig 488

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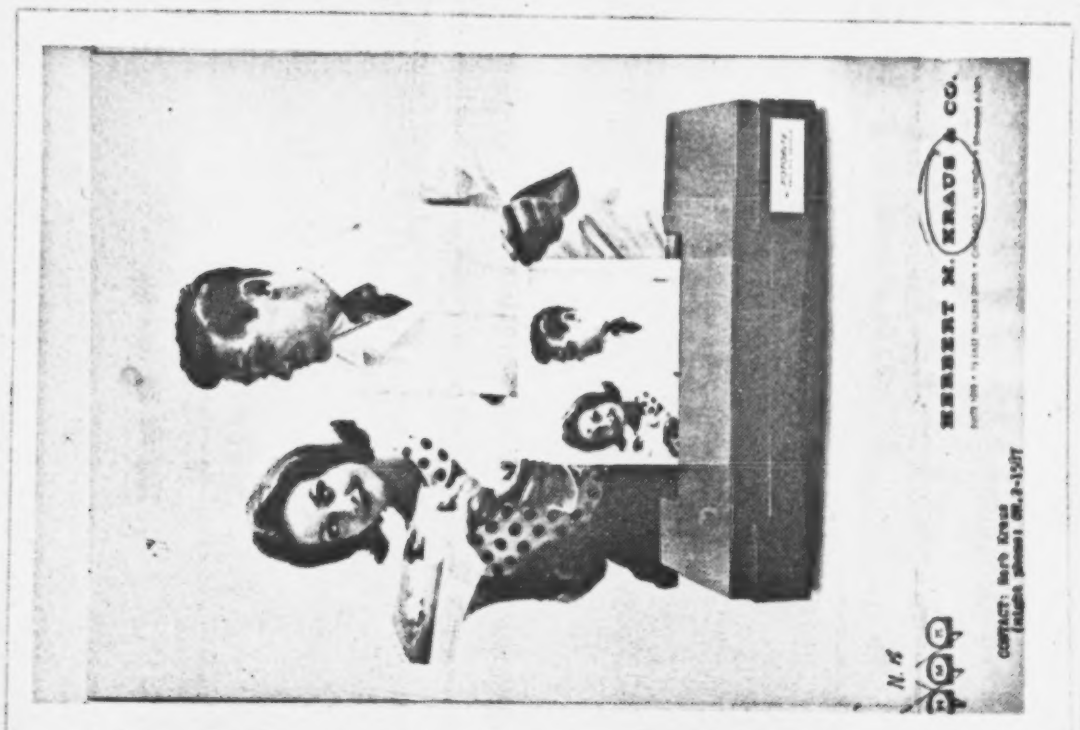

FOTORITE

Fig 489

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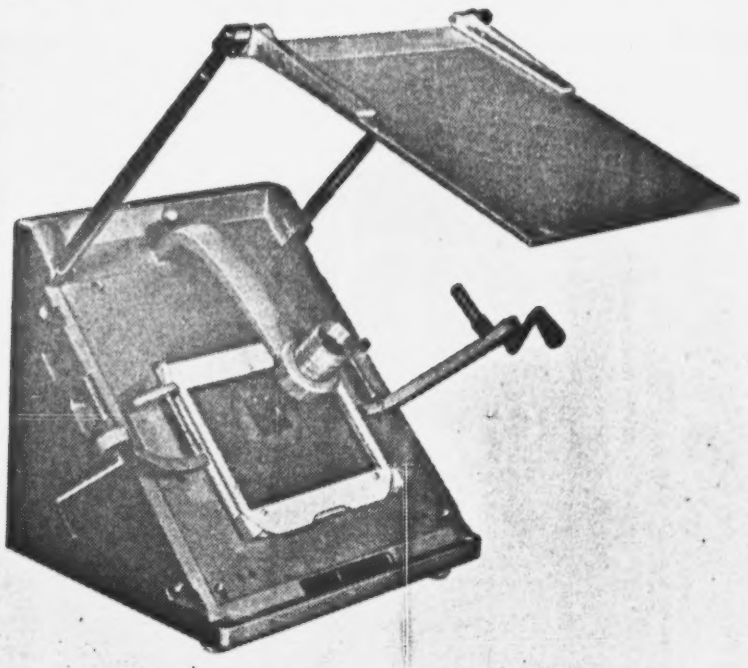

AV RESEARCH

Fig 491

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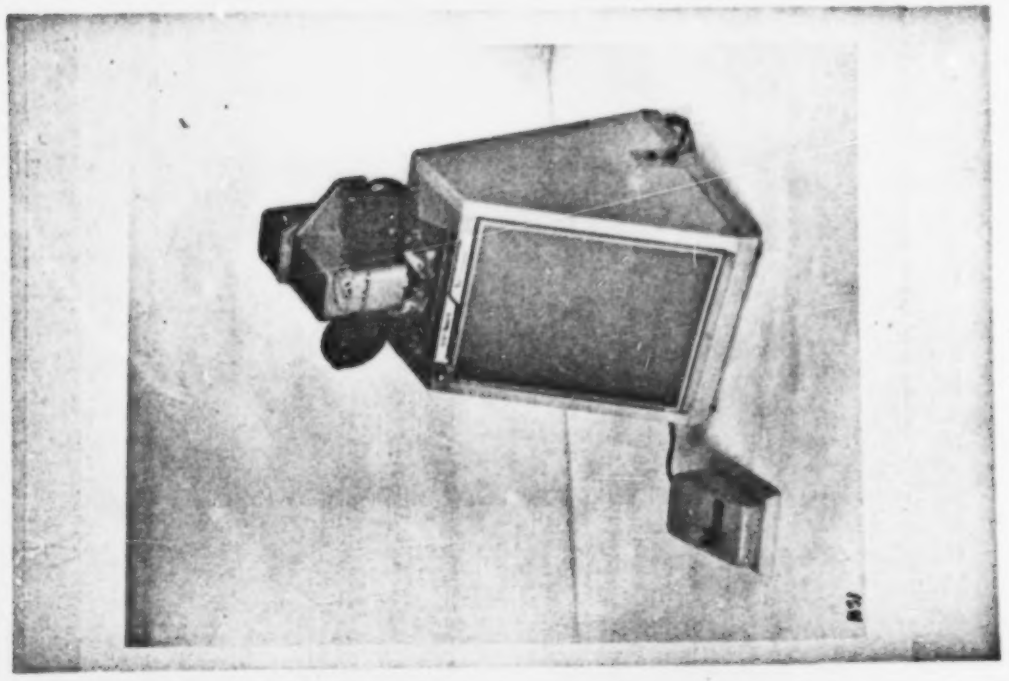

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BURROUGHS

Fig 492

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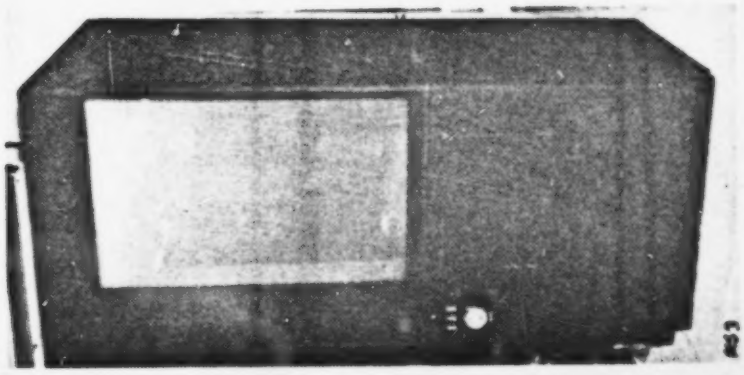

DE FLOREZ CO.

Fig 493

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DOCUMAT

Fig 494

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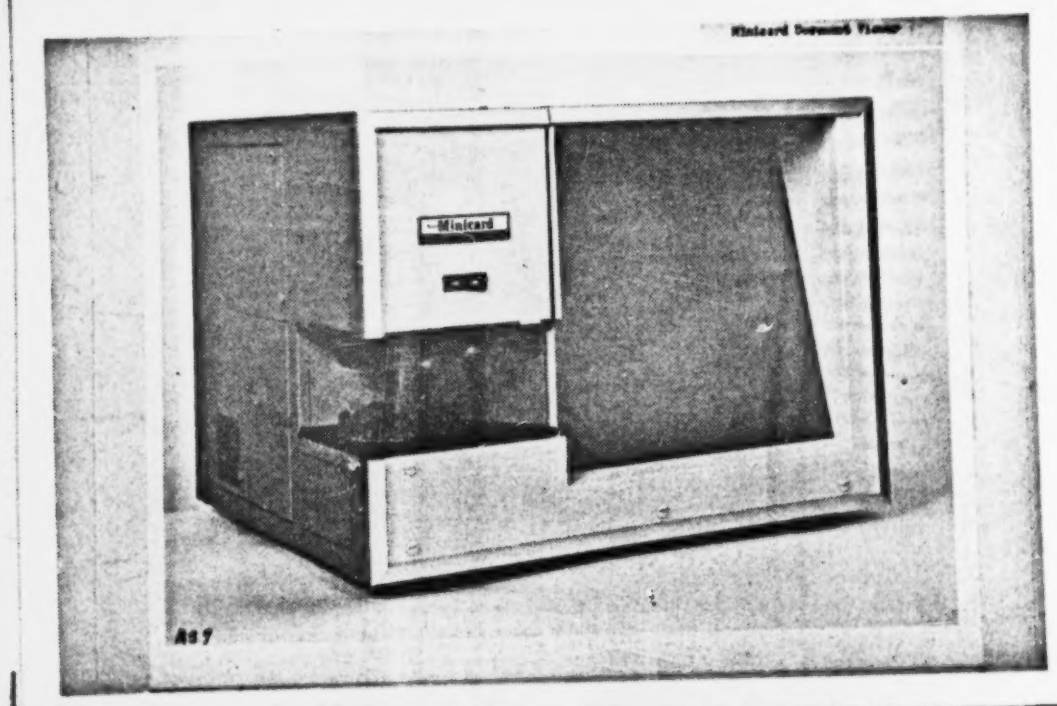

" EASTMAN

Fig 495

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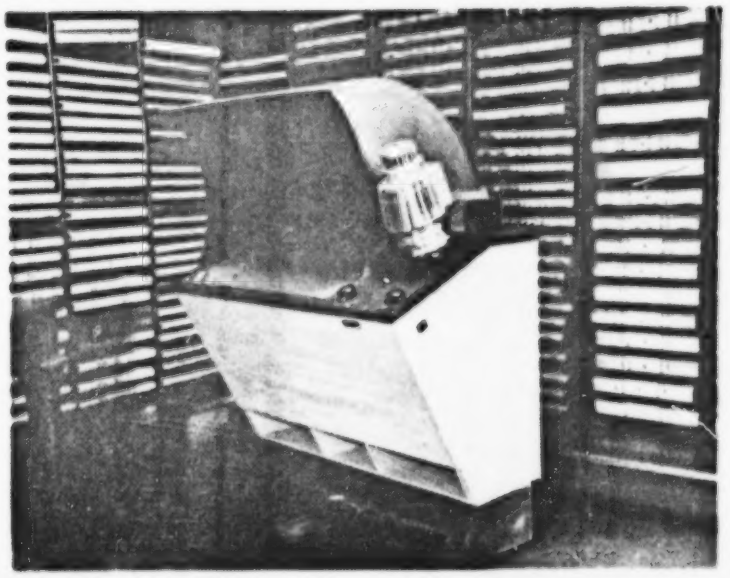

FREDERICK LUTHER

Fig 496

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"TEK (PHOTOSTAT)

Fig 498

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"MICROCARD

Fig 499

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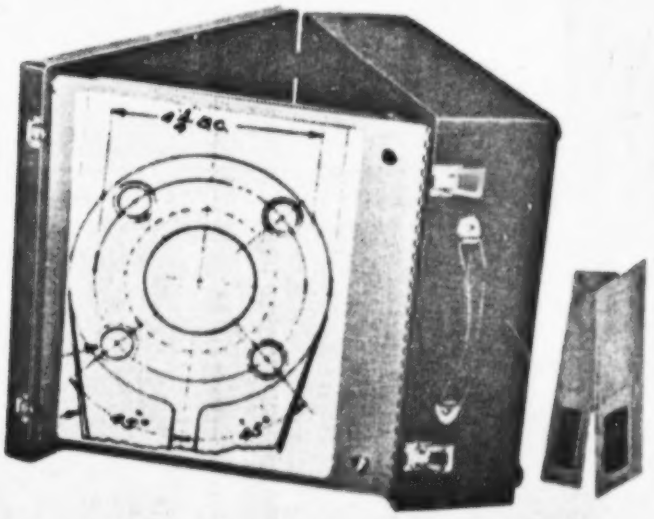

" MICRODEALERS INC.

Fig 501

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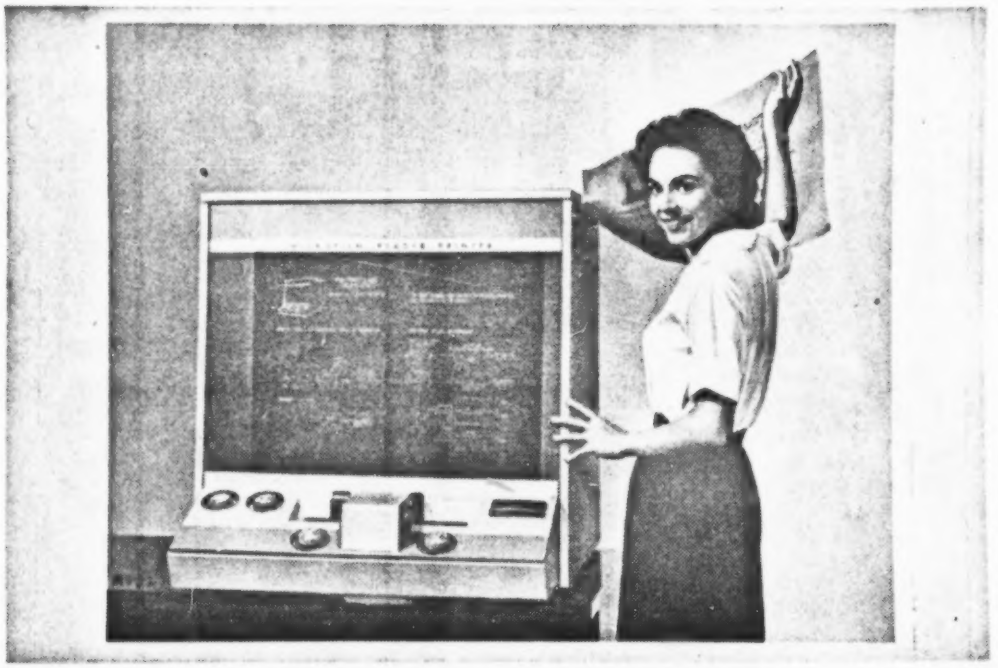

MINNESOTA MINING (3-M)

Fig 502

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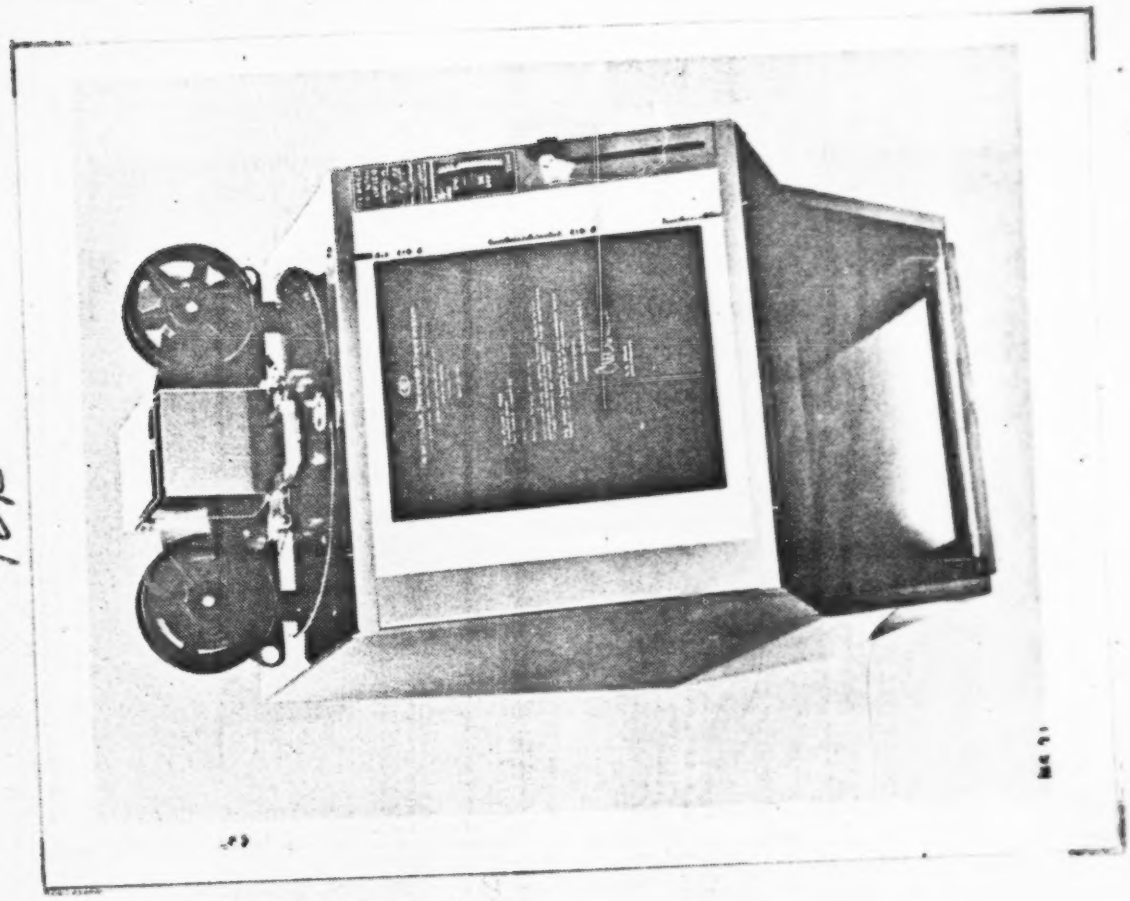

TRP

PFAFF

Fig 503

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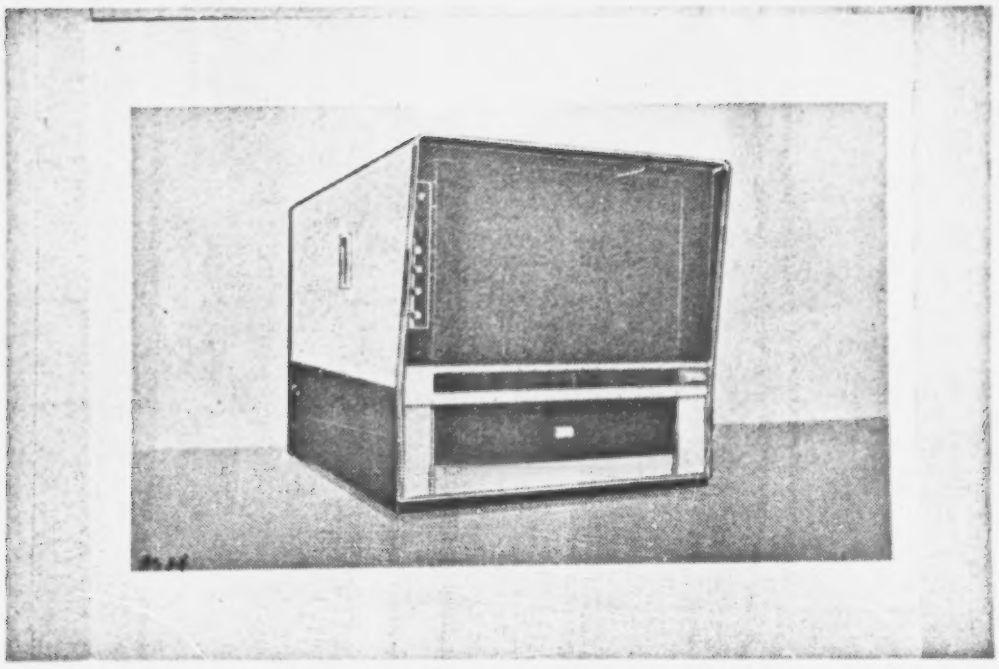

POLYDEX

Fig 503a

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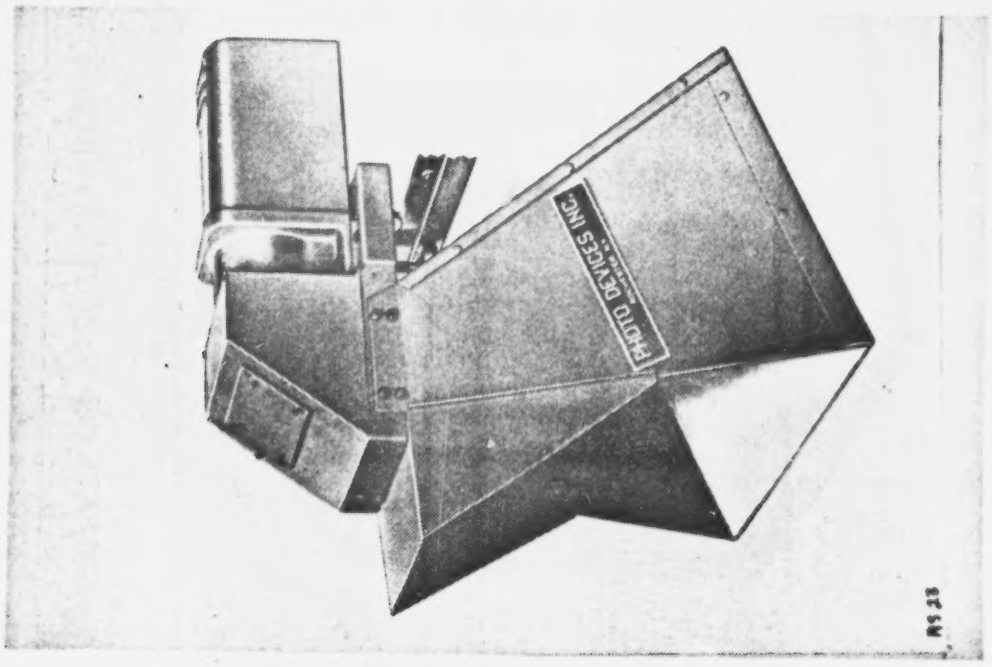

PHOTO DEVICES

Fig 503 b

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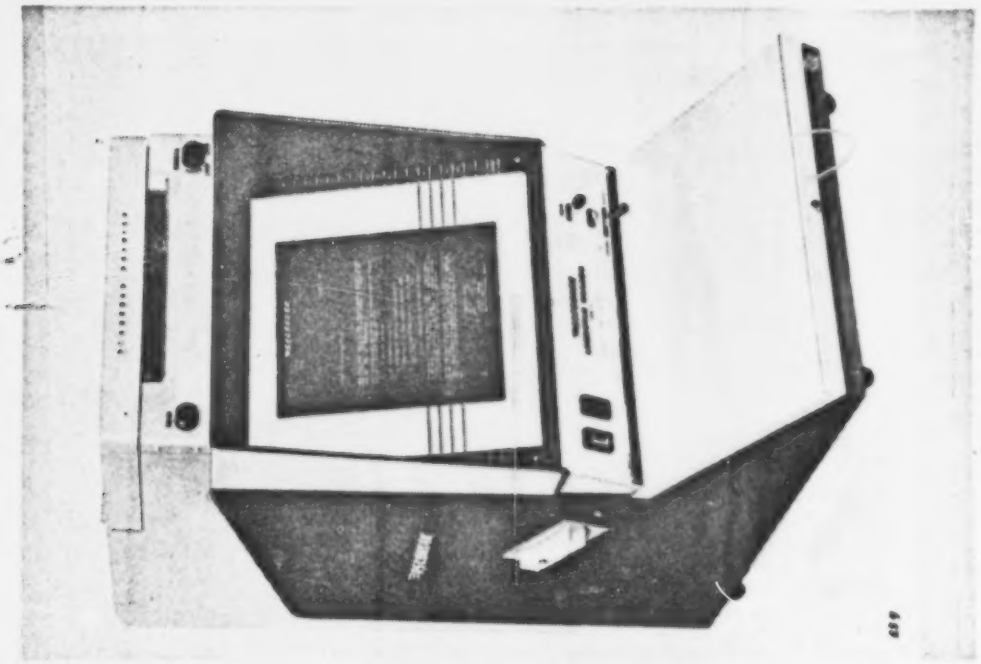

" ~~RE-KODAK~~ RECORDAK

Fig 503c

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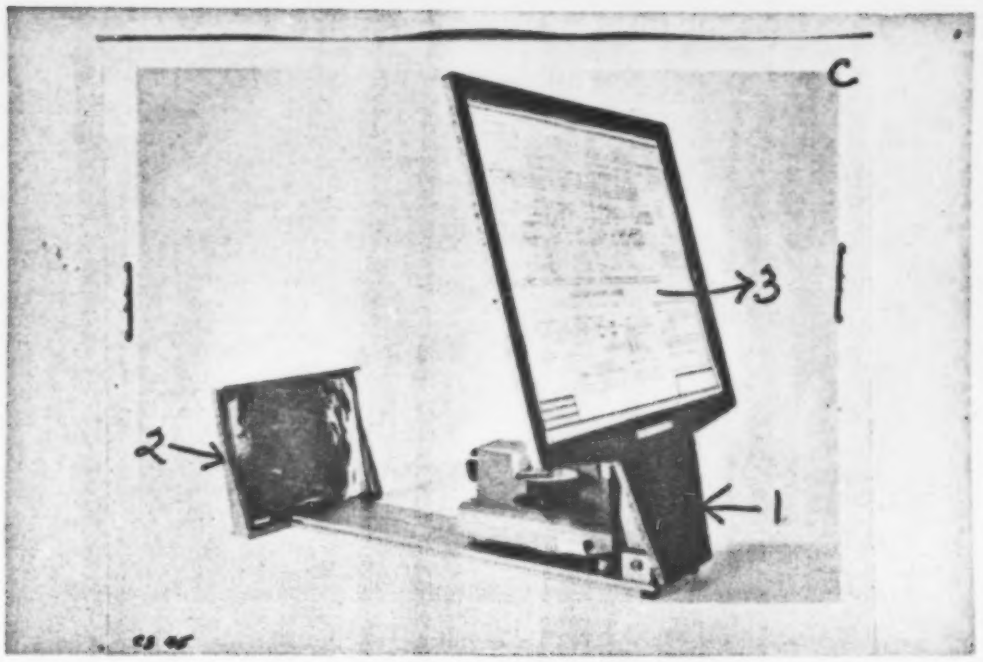

" WESTERN BLUE PRINT

Fig 504

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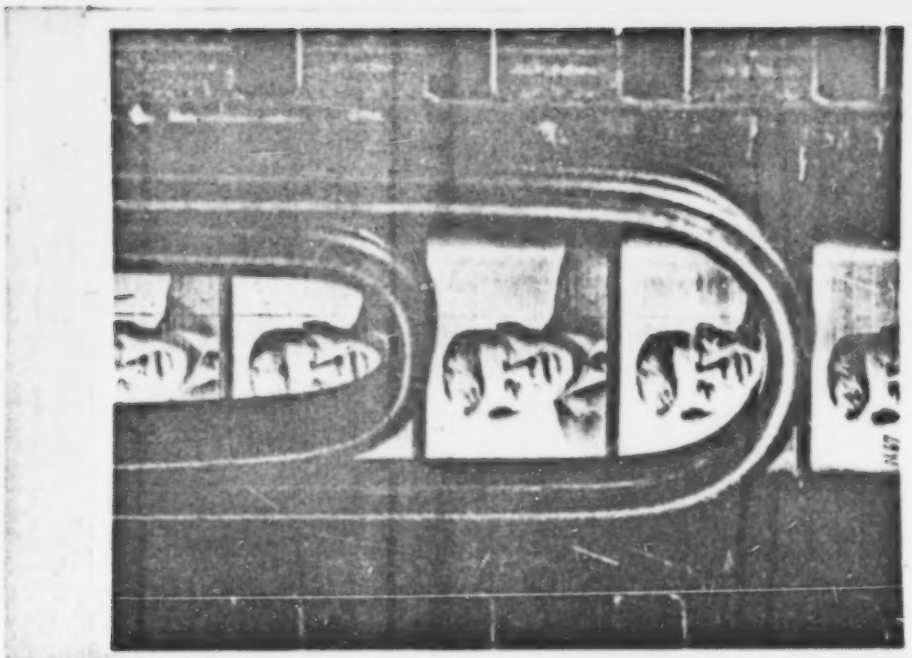

THERMOPLASTIC FILM.

Fig 505

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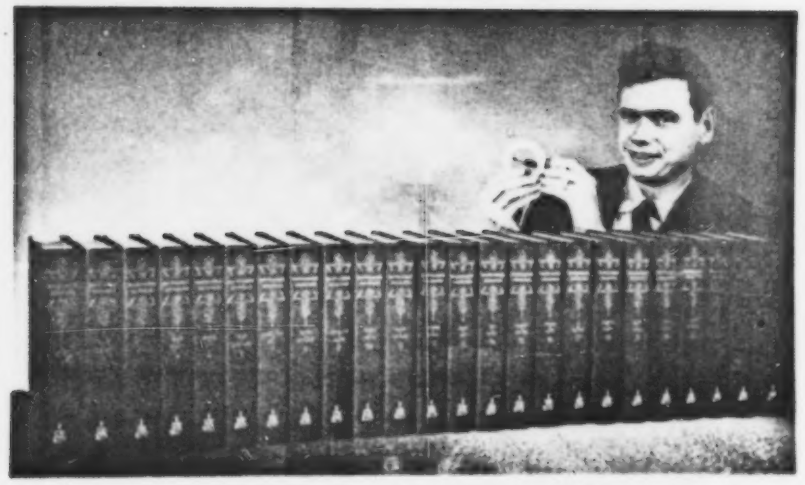

NM

Encyclopedias on Thermoplastic

Fig 506

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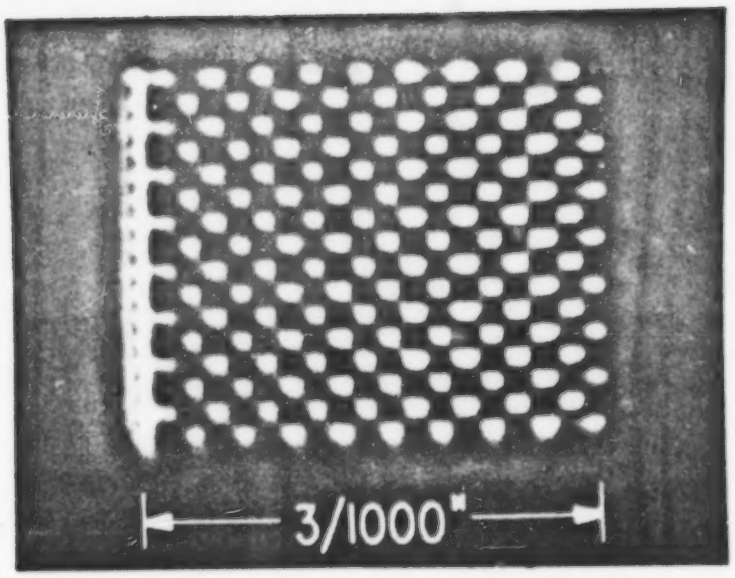

Thermoplastic tape

Fig 507

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PHOTO CHROIC MICRO IMAGE (PCMI) FILM

Fig 508 ..

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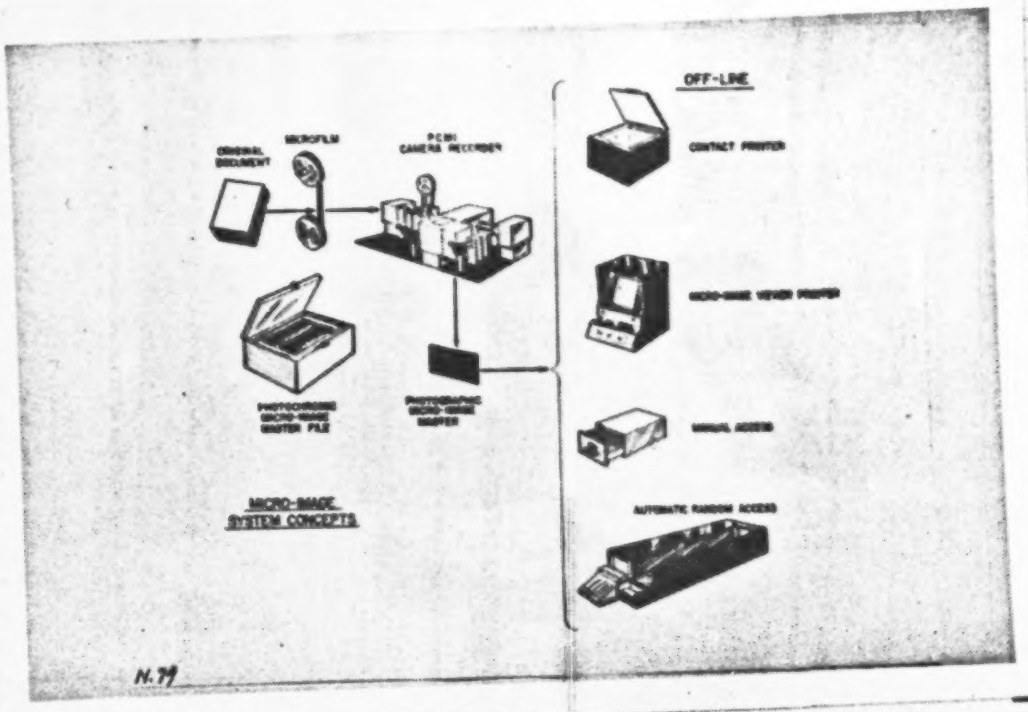

Micro Image System Concept

Fig 509

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ALDEN

Fig 510

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" FAIRCHILD

Fig 511

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LITTON

Fig 512

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" STANDARD REGISTER

Fig 513

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"STANDARD REGISTER

Fig 513a

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"TALLY REGISTER

Fig 514

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" TELEREGIST

Fig 514 a "INSTANTMATIC"

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" TEL AUTOGRAPH

Fig 515

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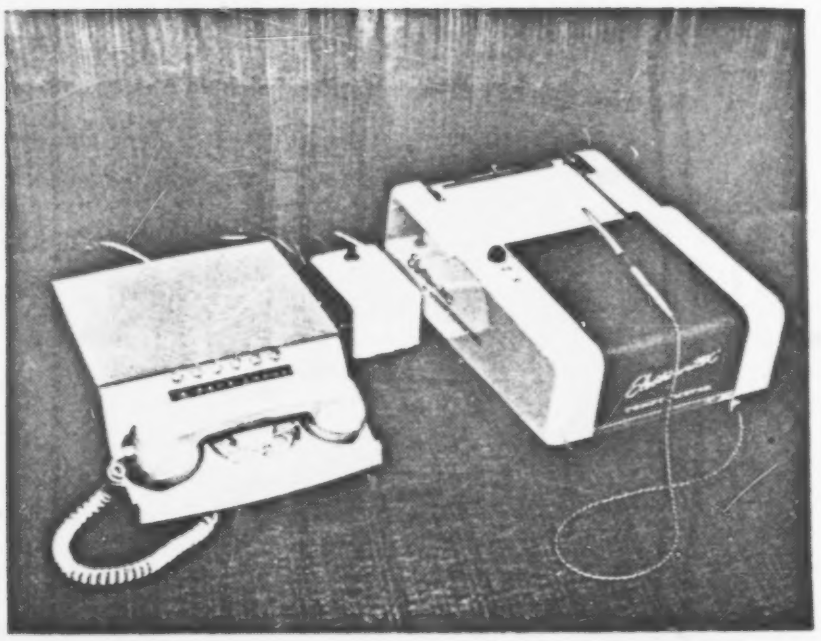

VICTOR

Fig 516

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" WESTERN UNION

Fig 517

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WESTERN UNION

Fig 518

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"The Laser

Fig 519

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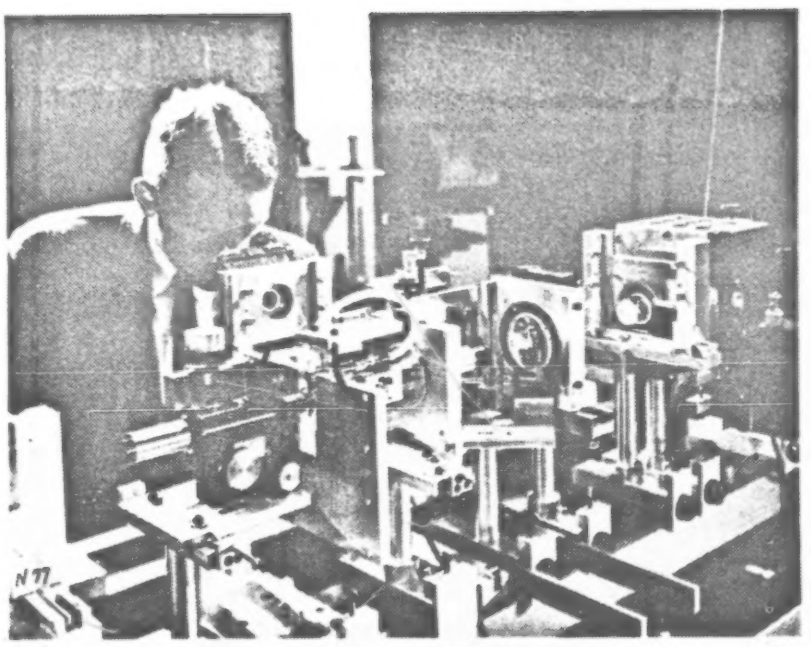

LASER
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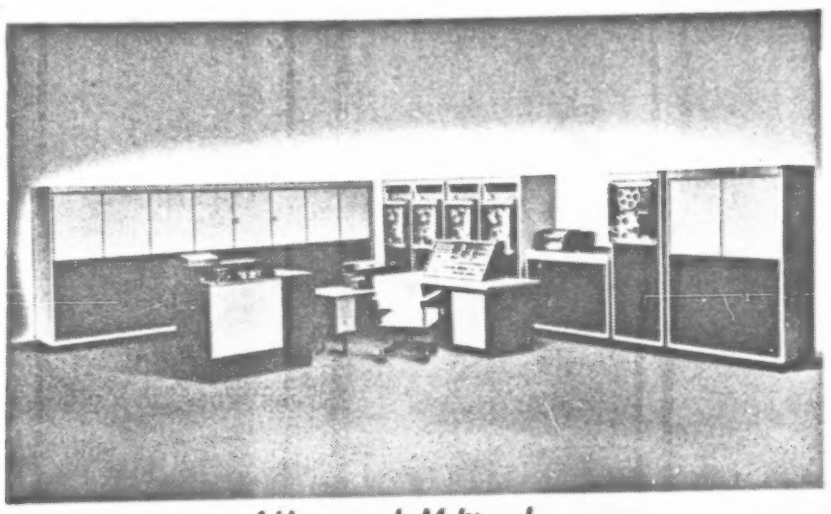

Addressograph-Multigraph

ELECTRONIC DATA PROCESSING SYSTEM

Series 900

ADDRESSOGRAPH EDP 900

Fig 520

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ADVANCED SCIENTIFIC INSTRUMENTS

Fig 521

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AUTONETICS

Fig 522

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BENDIX

Fig 523

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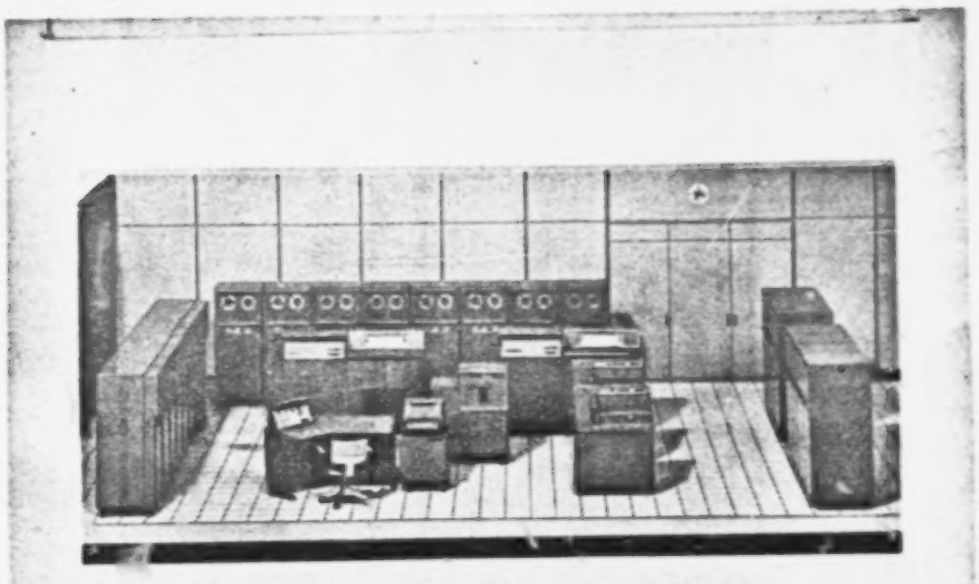

BURROUGHS

Fig 52A

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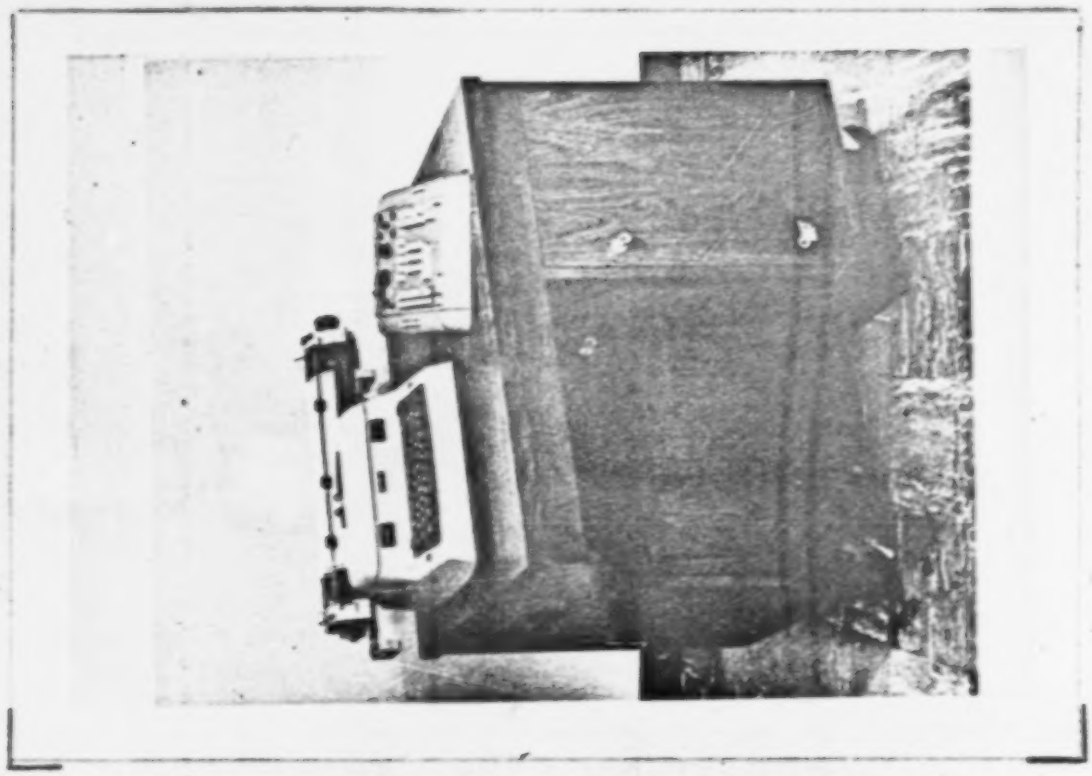

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CLARY

Fig 525

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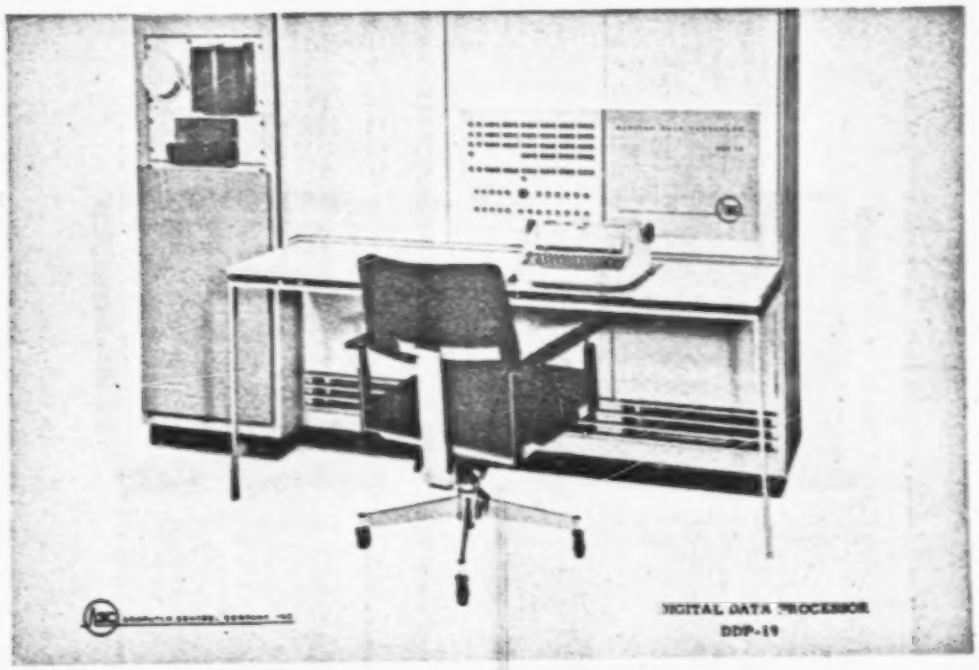

COMPUTER CONTROL CO.

FIG 526

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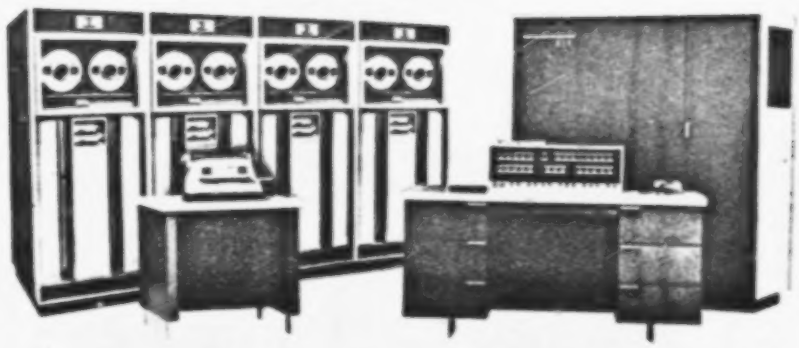

CONTROL DATA CORP.

Fig 527

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DIGITAL EQUIPMENT CO.

Fig 528

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" ESIAC

Fig 529

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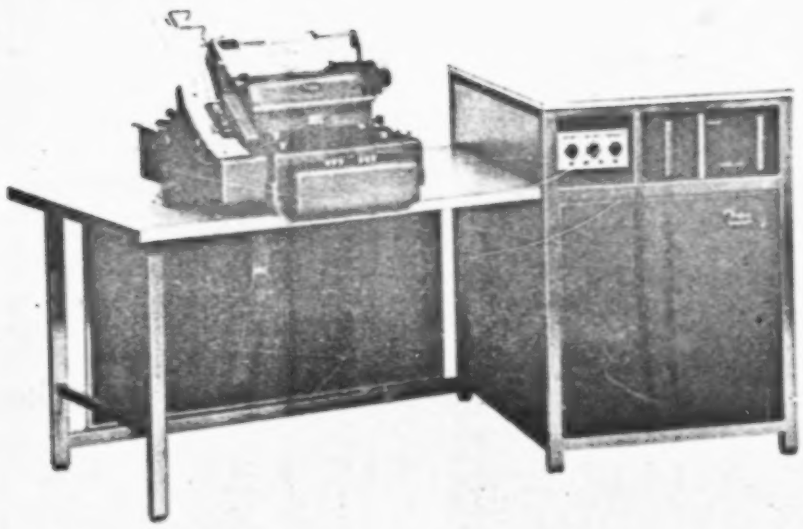

" FRIDEN

Fig 530

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"General Electric

Fig 531

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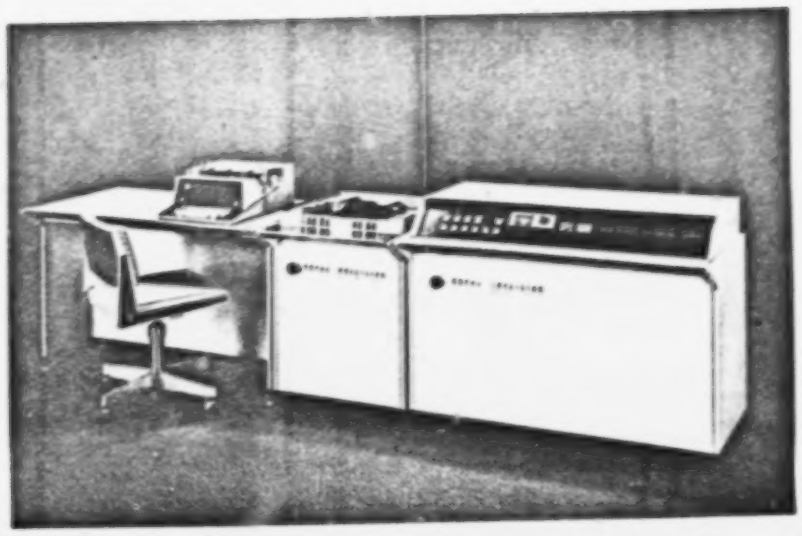

GENERAL PRECISION

FIG 532

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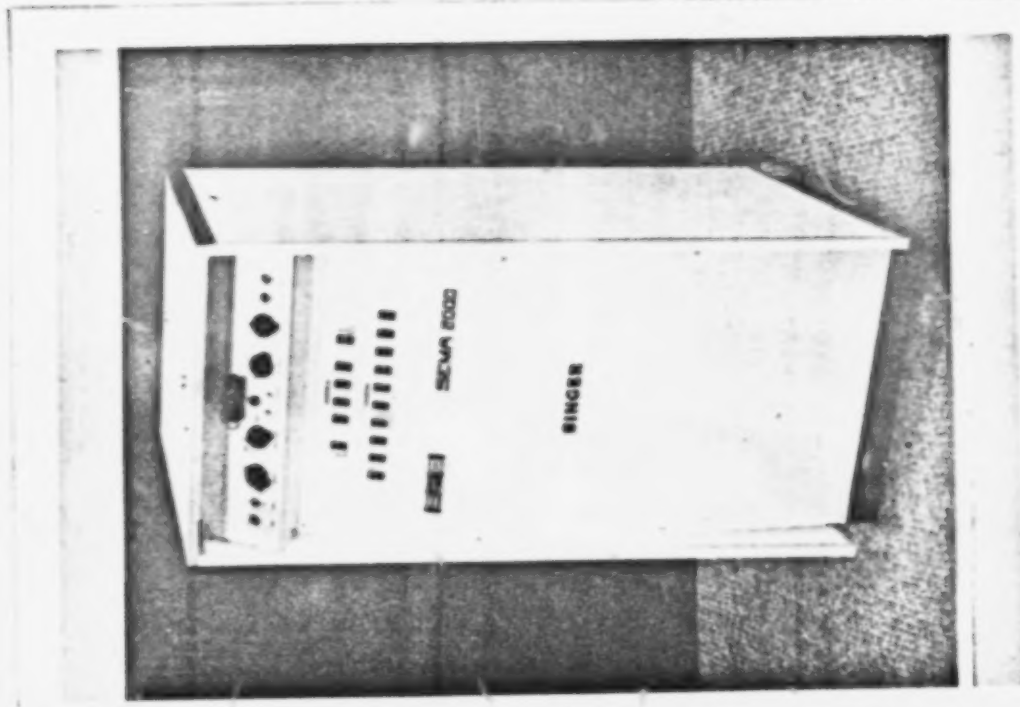

" HRB SINGER

Fig 533

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Fig 533a Hughes

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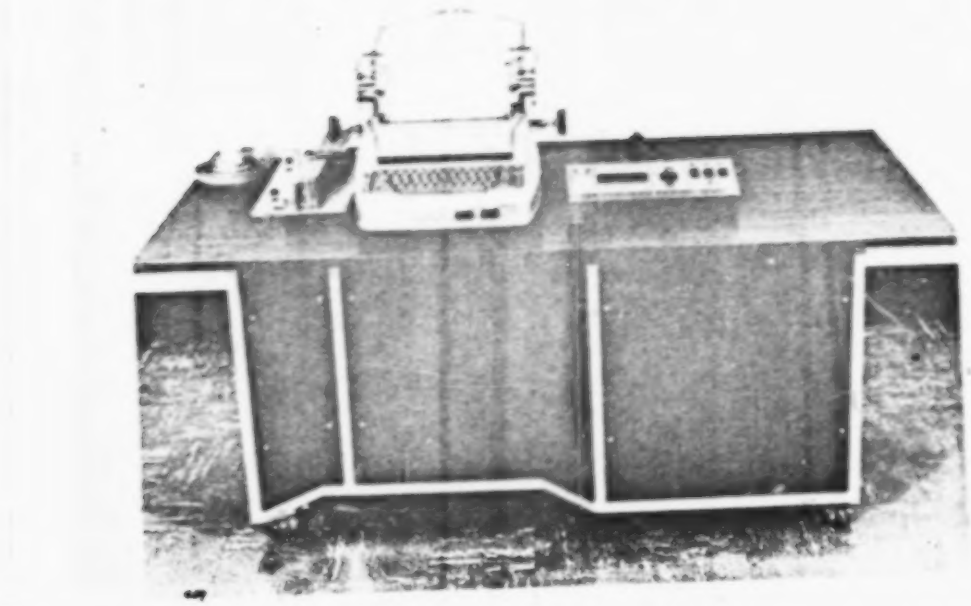

.. HW ELECTRONICS

Fig 534

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INFO PRODUCTS Co

Fig 534a

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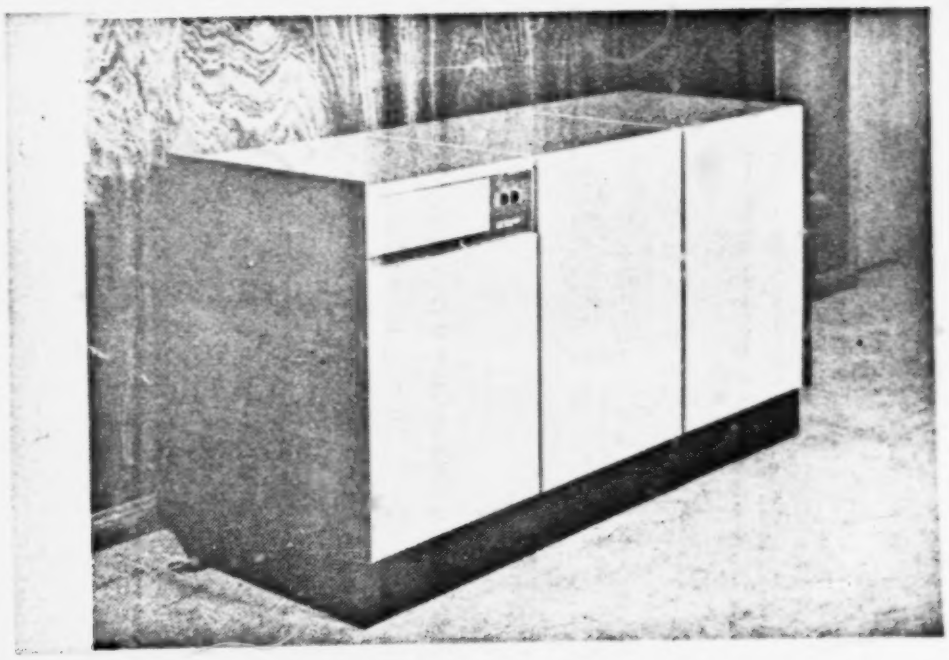
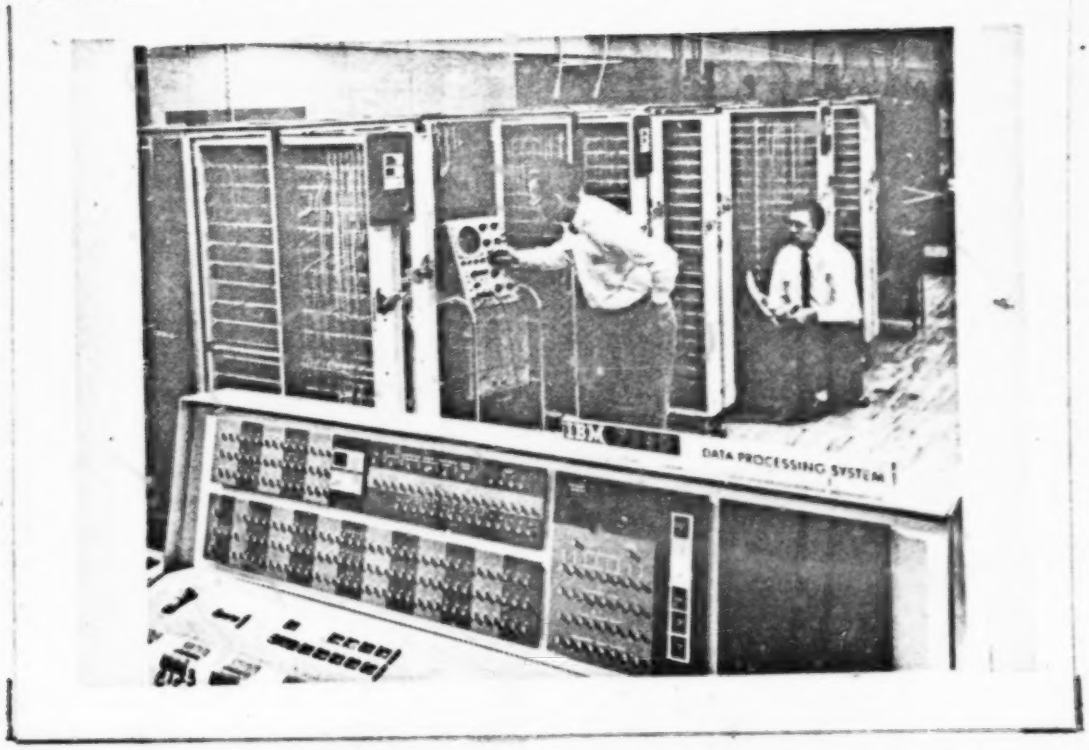


" Products &
INFORMATION SYSTEMS INC.

Fig 531

Neg. No. 5

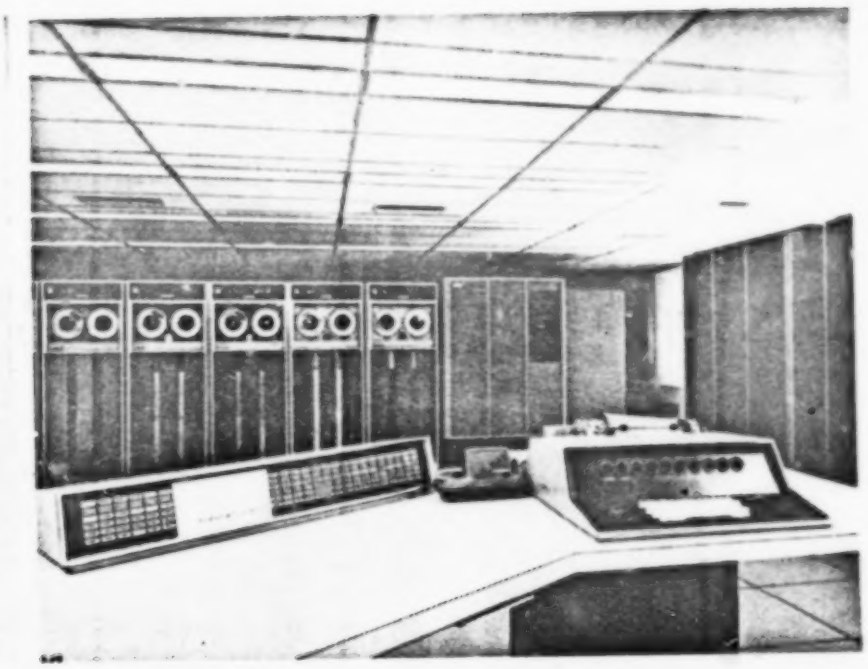
Ch. _____ Page _____



INTERNATIONAL BUSINESS MACHINES

Fig 536

Neg. No. 178



MINNEAPOLIS HONEYWELL

Fig 37

Neg. No. 154

MONROE CALCULATING MACHINES

Fig 538

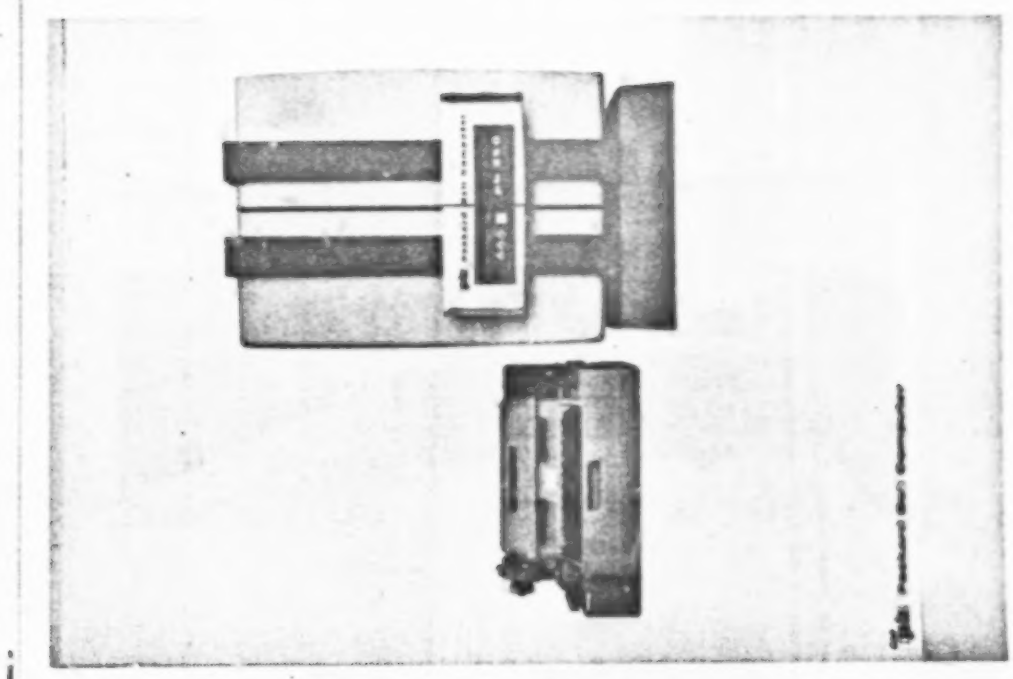
Neg. No. 163

Ch. _____ Page _____

NATIONAL CASH REGISTER

Fig 539

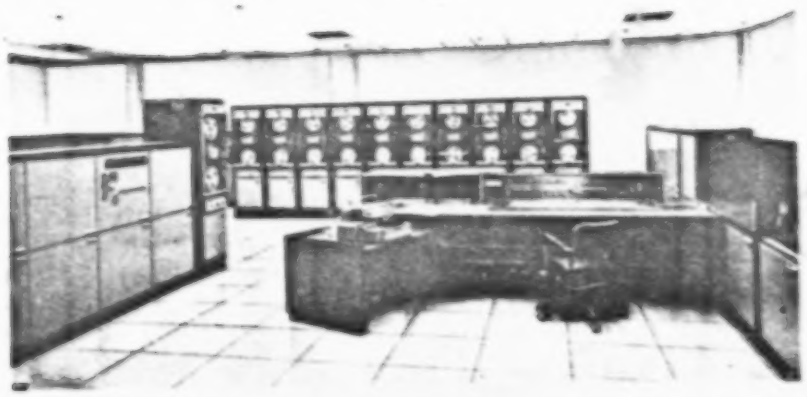
Neg. No. 151



PACKARD BELL

Fig 540

Neg. No. 16d



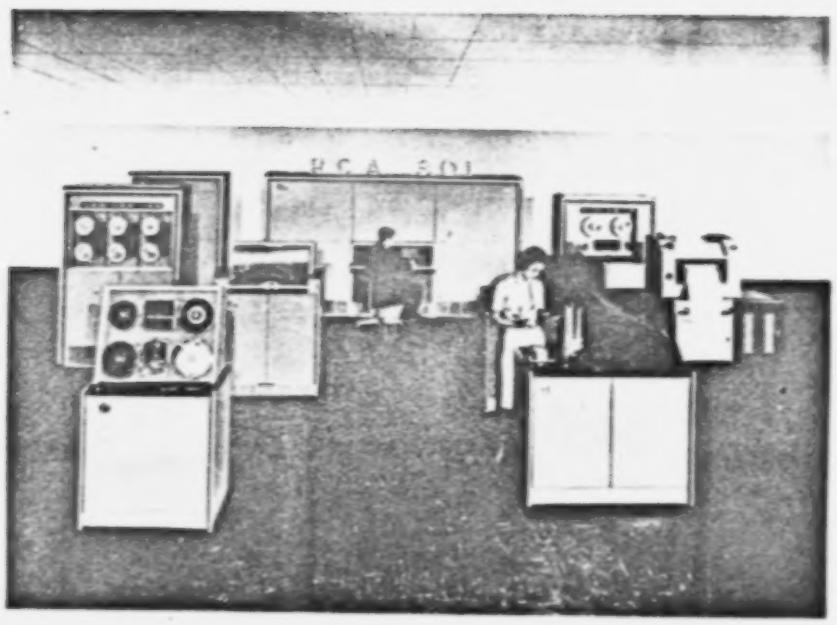
PHILCO 2000 Electronic Data Processing Systems
Typical Installation

PHILCO

Fig 541

Neg. No. 144

Ch. _____ Page _____

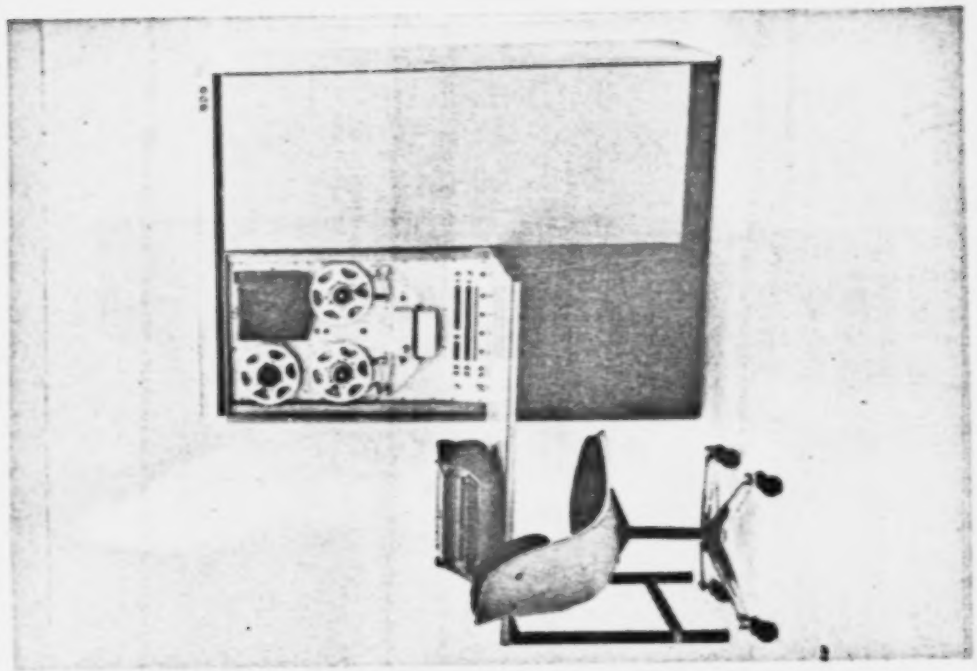


RCA

Fig 542

Neg. No. 153

Ch. _____ Page _____



SCIENTIFIC DATA SYSTEMS

Fig S43

Neg. No. 166

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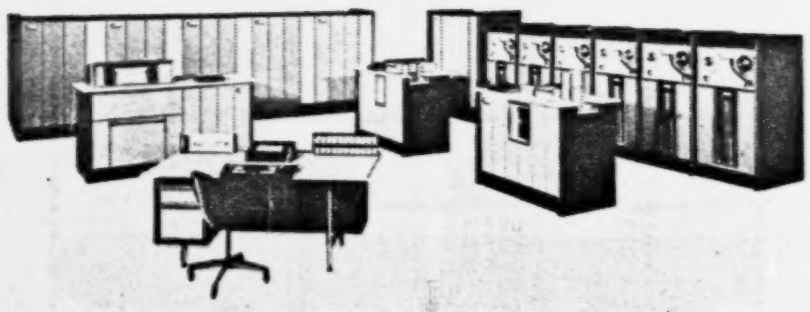

UNIVAC

Fig 545

Neg. No. 147

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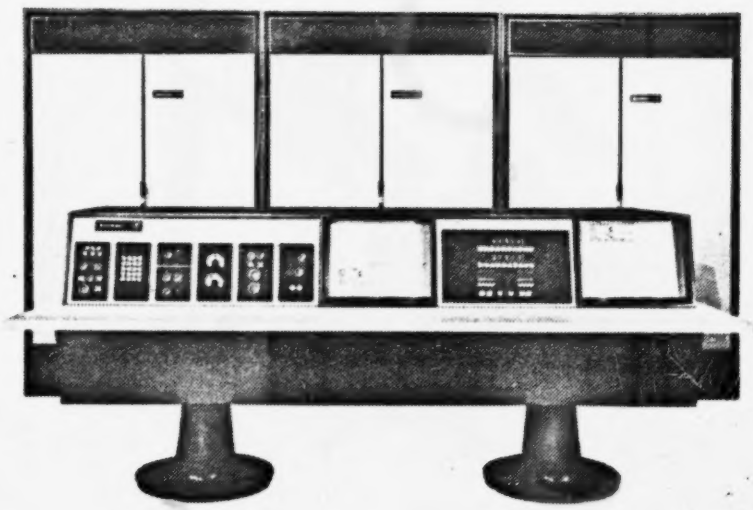
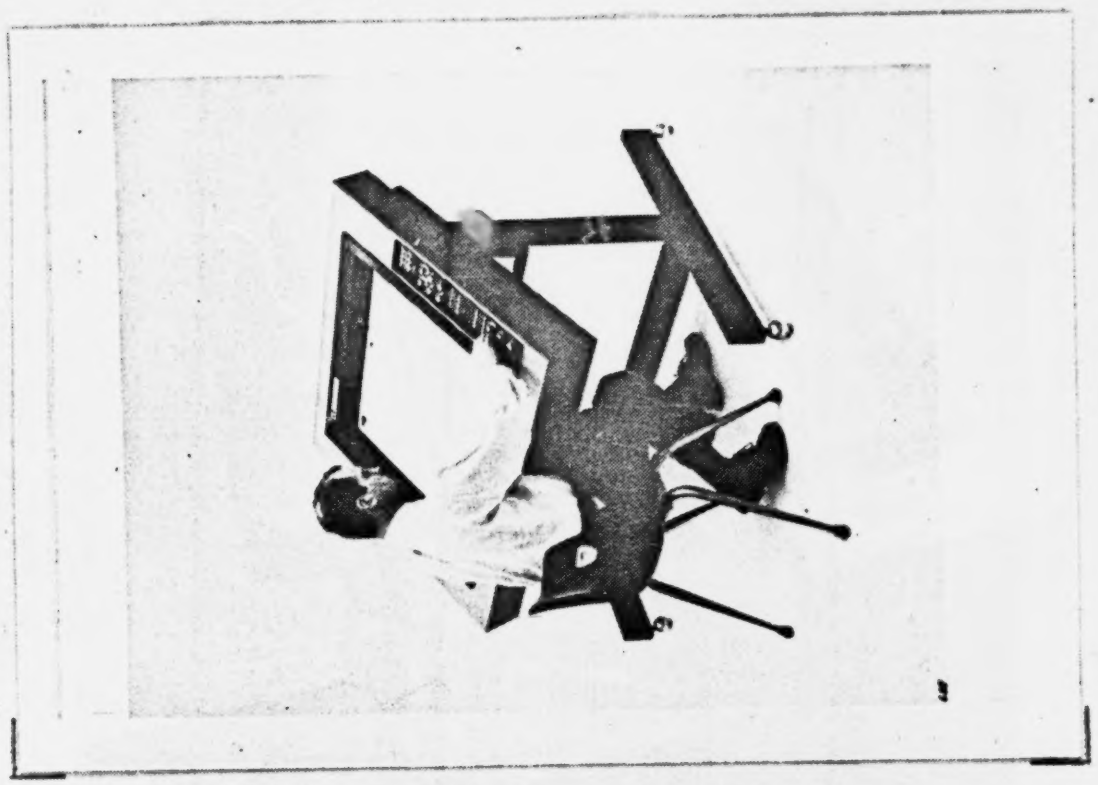


"WESTINGHOUSE

Fig 546

Neg. No. 156

Ch. _____ Page _____



COMPUTER SYSTEMS INC.

Fig 547

Neg. No. 9

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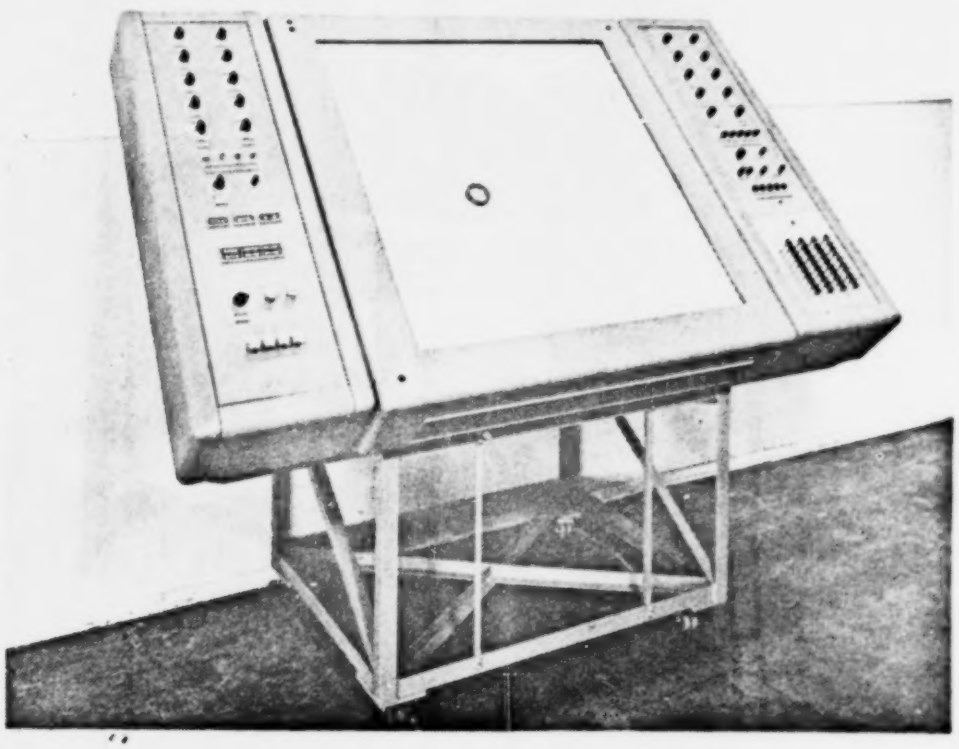

Fenske, Fedrick, & Miller

Fig. 547a

Neg. No. 1228

Ch._____ Page_____

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Fig 548a International Business Machines "~~Shoebox~~"

SHOEBOX recognizes ten digits spoken to it and six control words such as plus and minus.

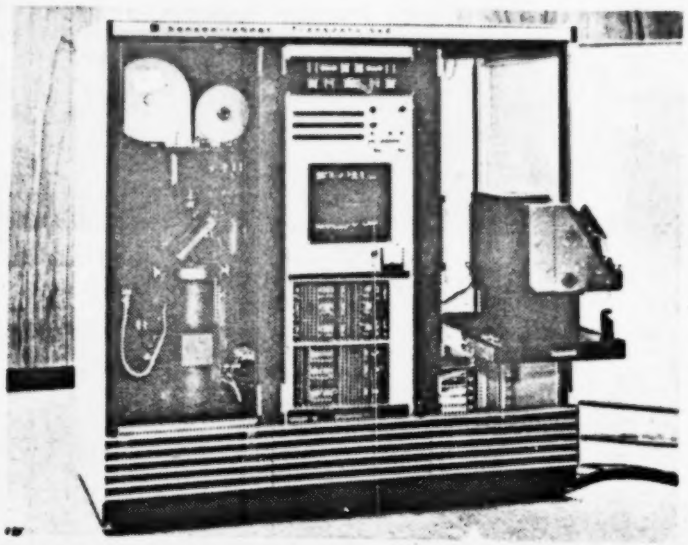
Neg. No. 1270

Phonetic Typewriter

Fig 549 R.C.A.

Neg. No. 244

Ch. _____ Page _____



.. BENSON-LEHNER

Fig 550

High speed printout from a computer at 30,000 lines per minute.

Neg. No. 169

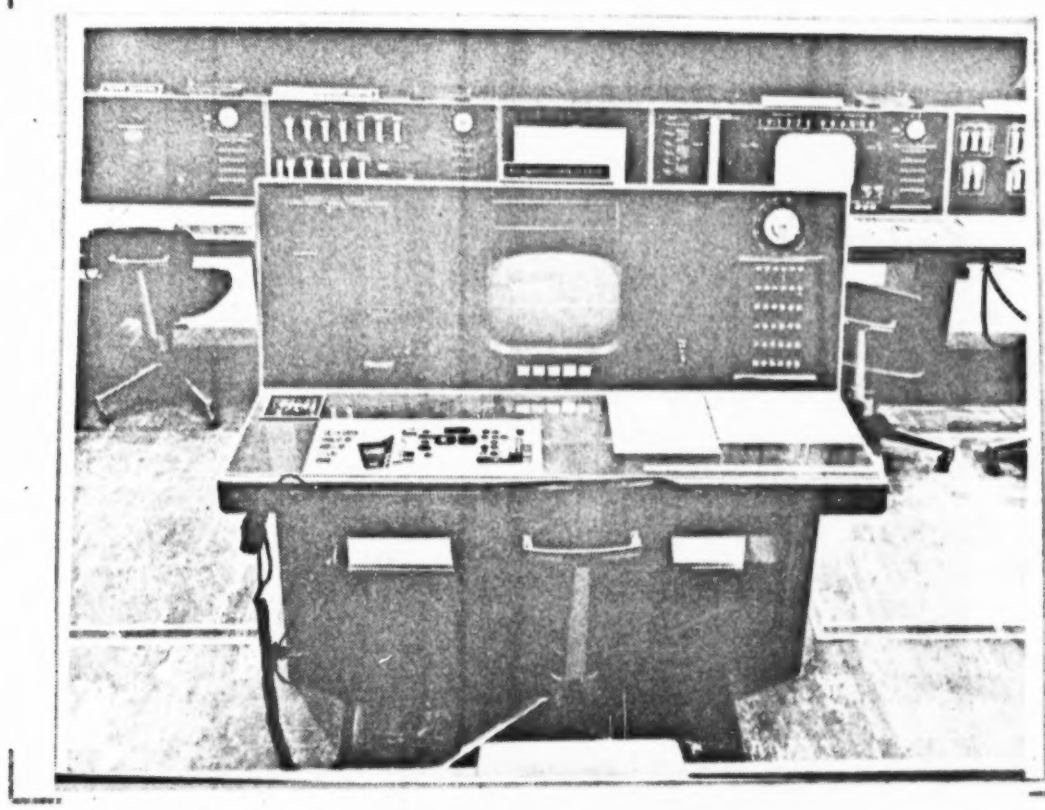


Fig 550a Flight Directors Console used by National Aeronautics and Space Administration for manned orbital flights

Neg. No. 1274

Ch._____ Page_____

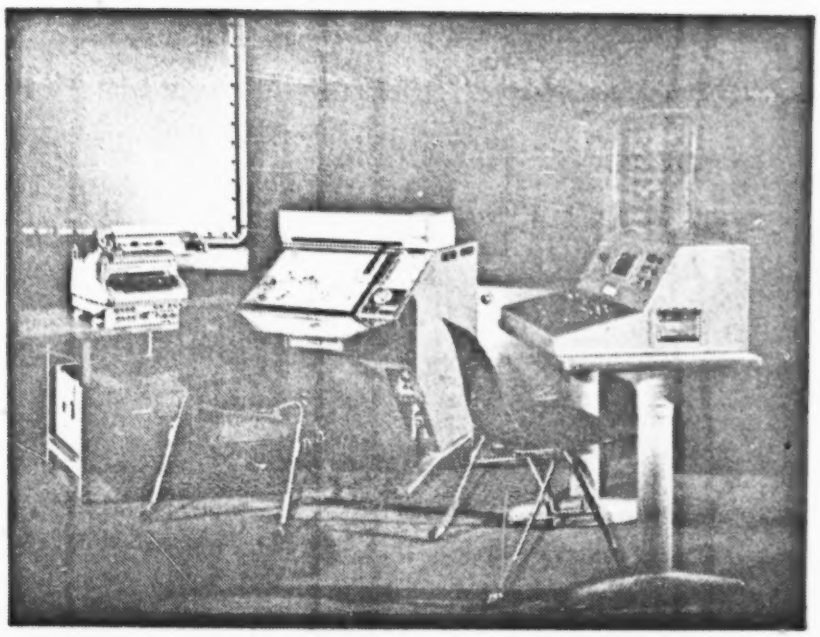


Fig 551 Aeronutronic Tachiden input units include message composer and graphic input which permits multi-color overlays, digital storage, and rapid updating of data.

Neg. No. 1271

Ch._____ Page_____

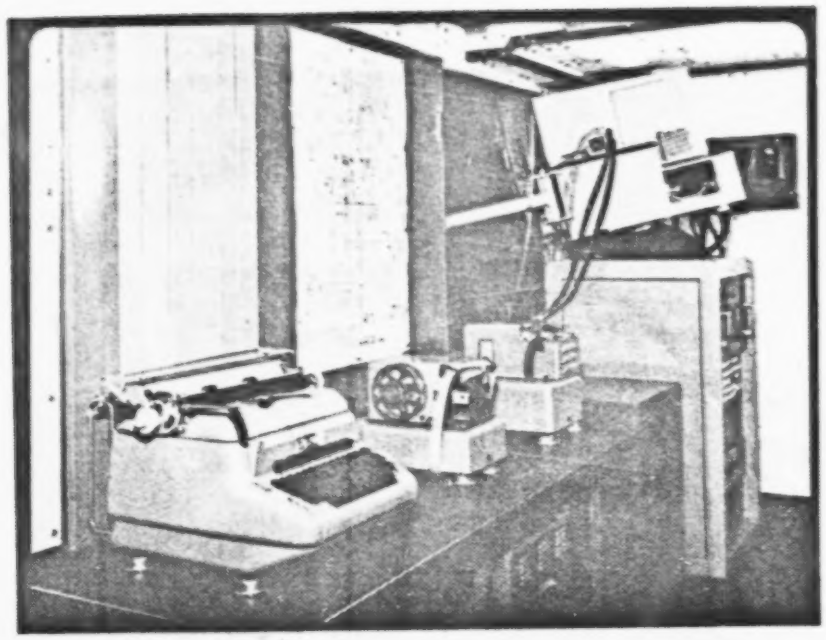


Fig 55 1a Aeronautronic

Neg. No._____

Ch. _____ Page _____

"BURROUGHS

Fig 552

Neg. No. 171

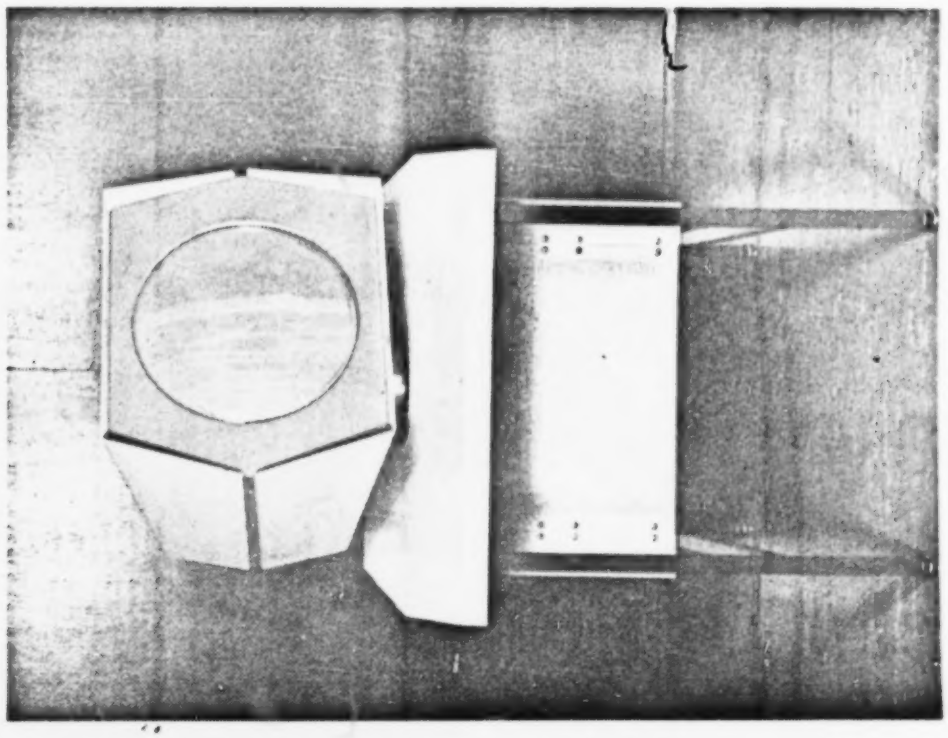
Ch. _____ Page _____

" A-B DICK

Fig 553

Neg. No. 1229

Ch. _____ Page _____

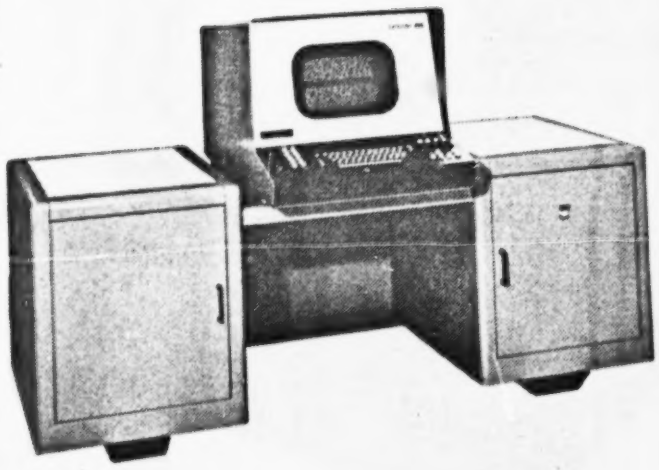


DIGITAL

Fig 554

1230

Neg. No. 2



ELECTRADA

Fig 155

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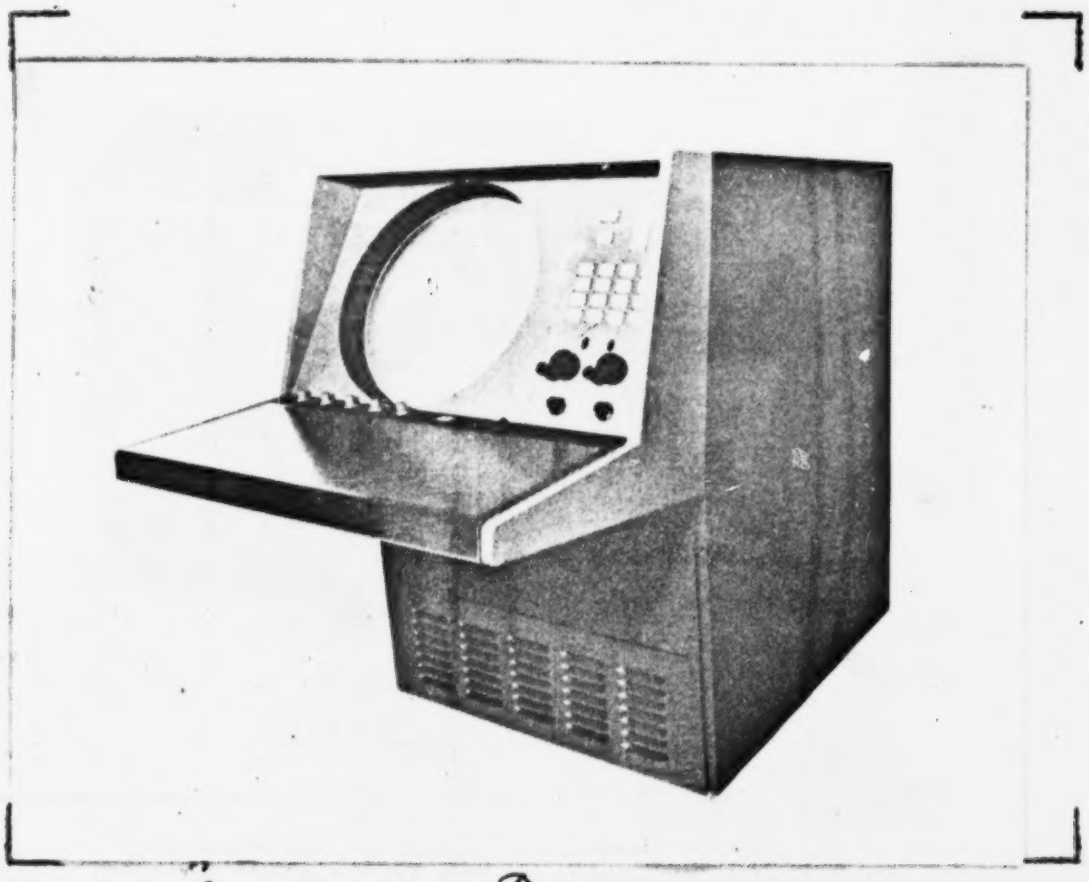
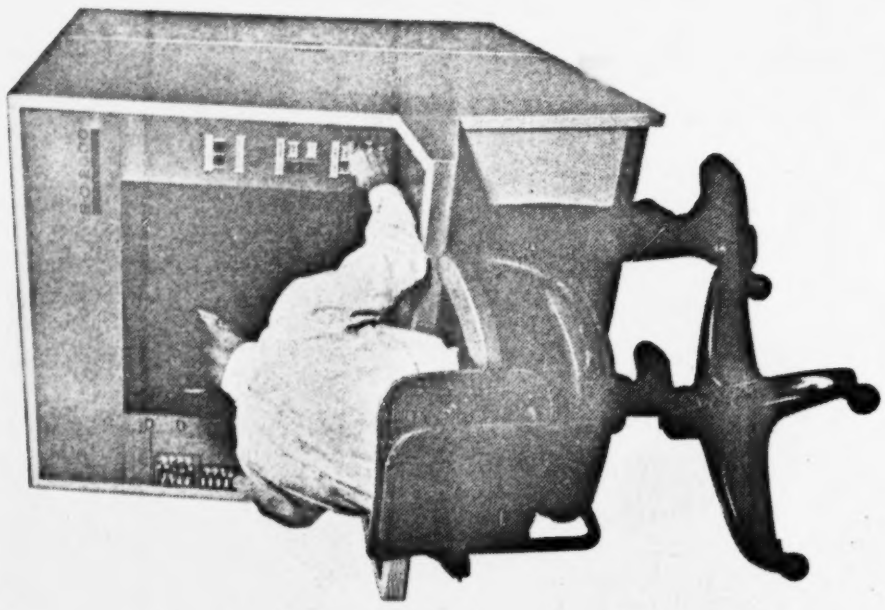
Ch. _____ Page _____



GENERAL DYNAMICS

Fig 556

Neg. No. ~~[illegible]~~ 1231



TOP

GENERAL DYNAMICS

FIG 557x

NEG NO 1232 ~~708~~

Ch. _____ Page _____

INFORMATION PRODUCTS

Fig 558x

Neg. No. 6

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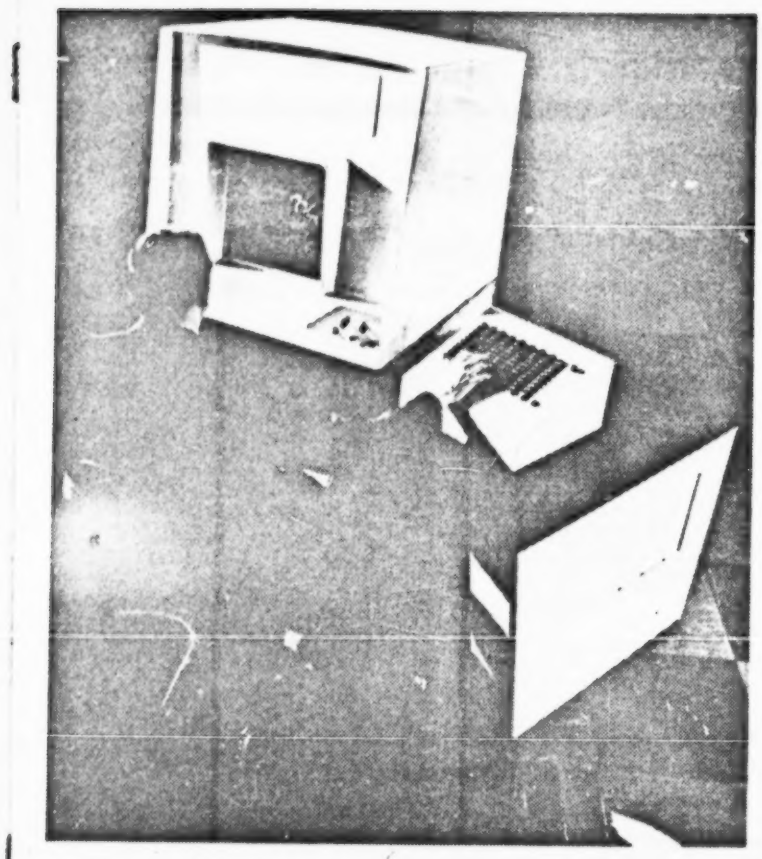

LABORATORY FOR ELECTRONICS

Fig 559x

Neg. No. ~~708~~ 12133

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ver
a v
app
rec

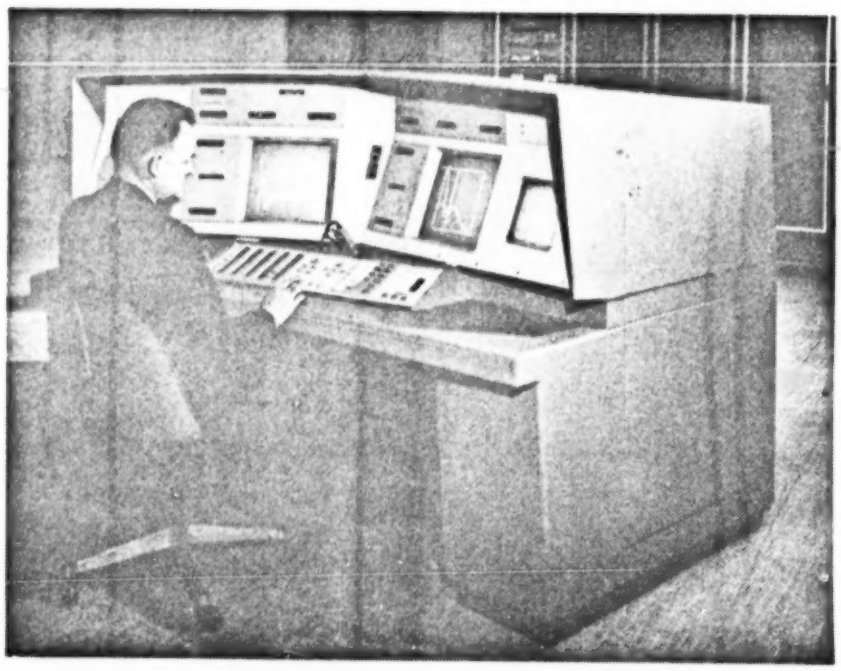
The unit contains a keyboard, a format sel
alpha-numeric display system. The unit can b
format or from an external digital computer s
Operator data selection results in a cathode r

MARQUARDT

Fig 560

Neg. No. 1234

Ch. _____ Page _____



THOMPSON RAMO WOOLDRIDGE

Fig 561

Neg. No. 165

Ch. ______ Page ______

TOP

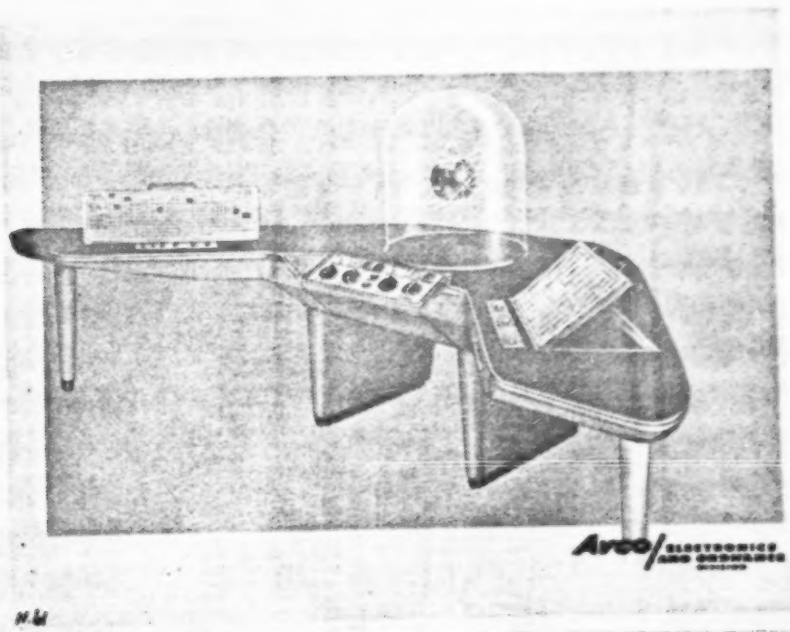
THREE-D LIGHTS -- Pretty Jeannette Marie Palichino seems fascinated by the dancing pinpoints of light in unique three-dimensional display developed at International Telephone and Telegraph Corporation's laboratories in Nutley, N.J.

~~A.B. Dick~~ IT&T

Fig 56a

Neg. No. 391

Ch. _____ Page _____



AVCO

Fig 567b
~~564~~

Neg. No 403

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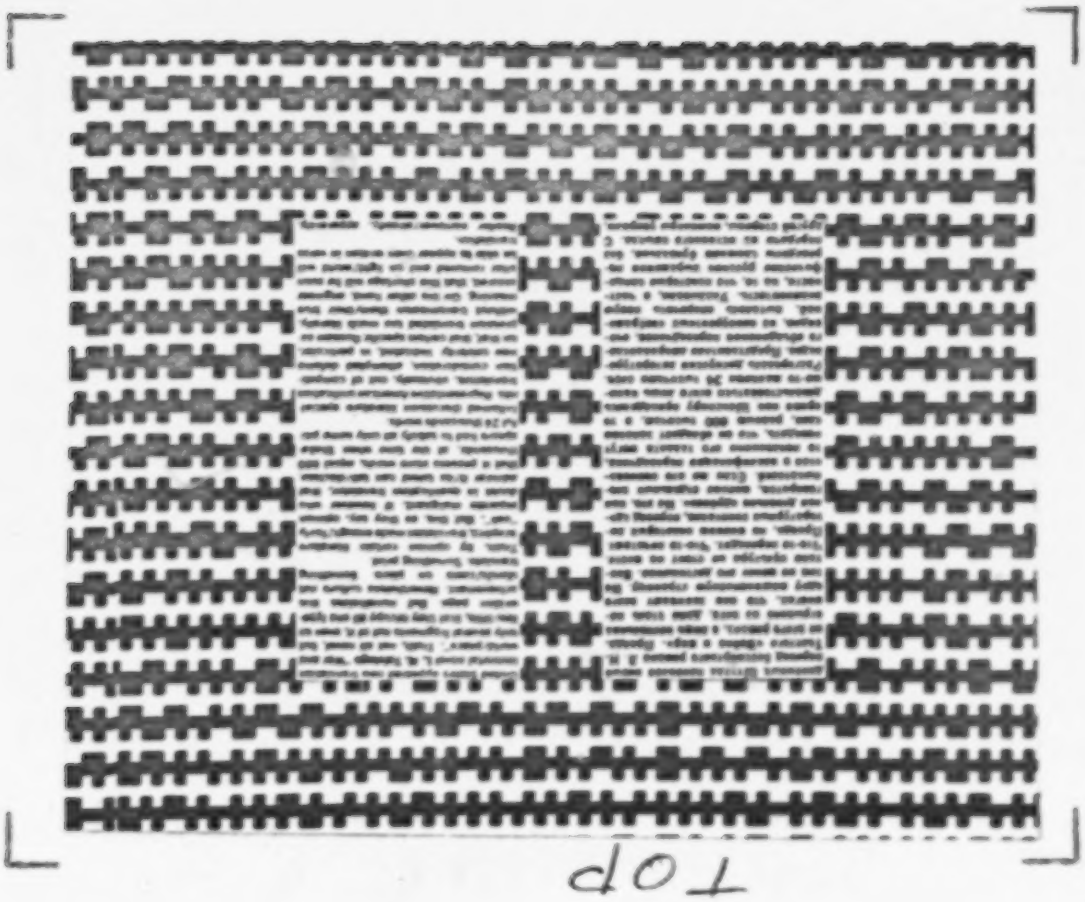

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Fig 561 bb

113 B7

Neg. No 1272

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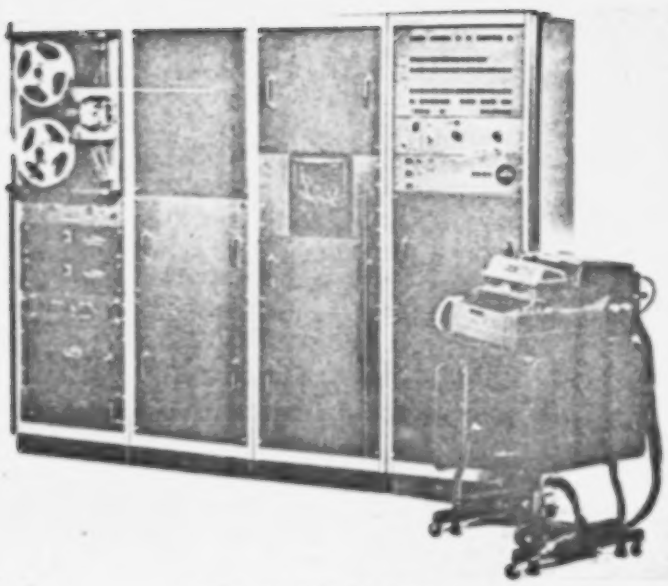


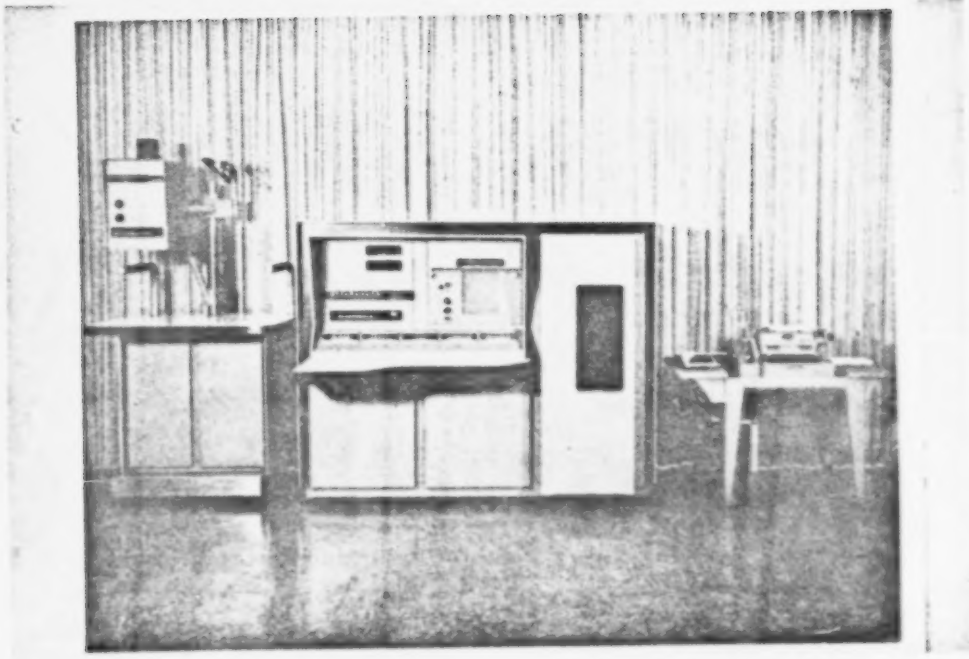
Information Retrieval System
Mfg. by IC for NADC - USAF

COMPUTER CONTROL

Fig ~~556x~~ 561c

Neg. No. 183

Ch.____ Page____



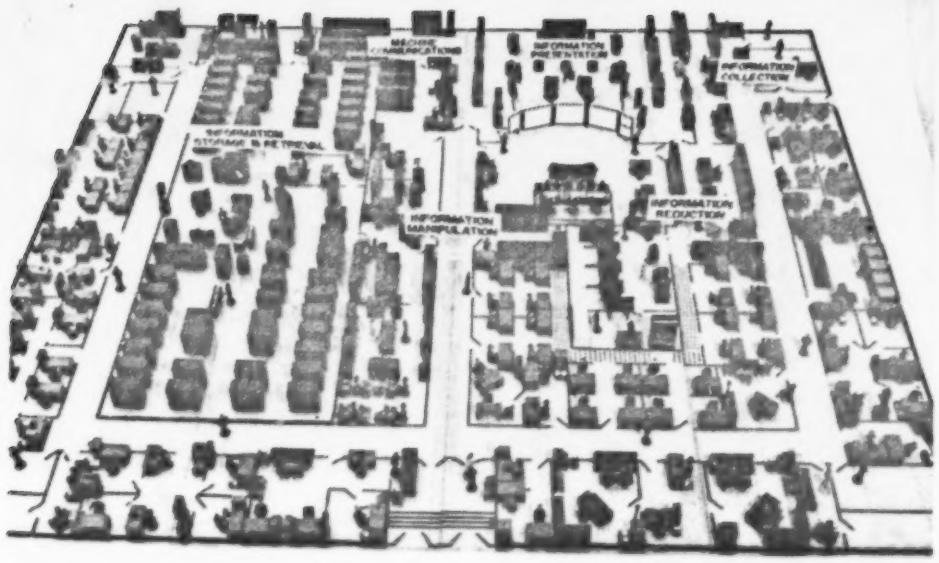
FMA FILESEARCH

561d

Fig 587

Neg. No. 173

Ch. _____ Page _____

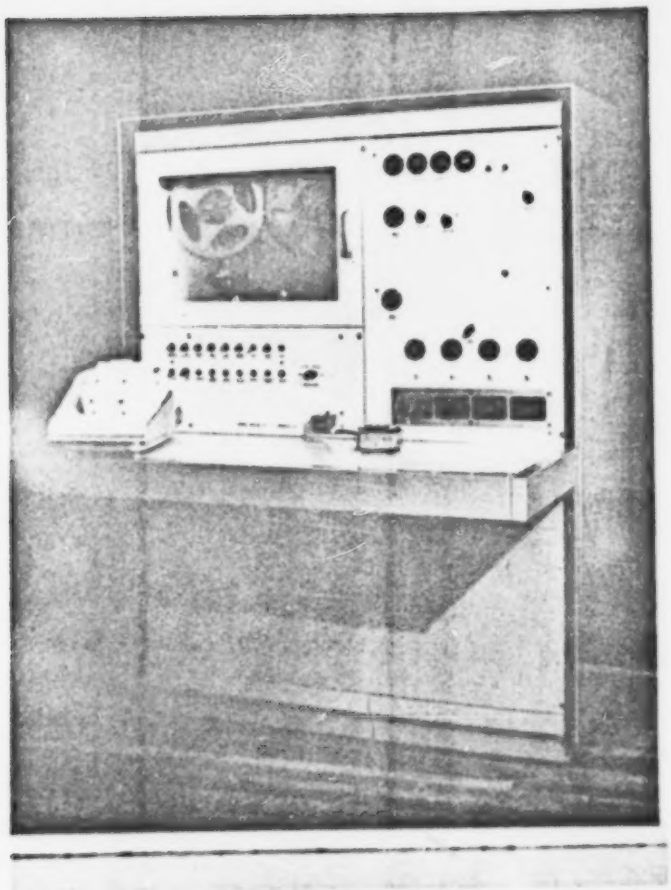


GENERAL ELECTRIC

Fig ~~55~~ 56e

1235

Neg. No. ~~700~~



"HERNER & Co.

FIG 559 561f

Neg. No. 138

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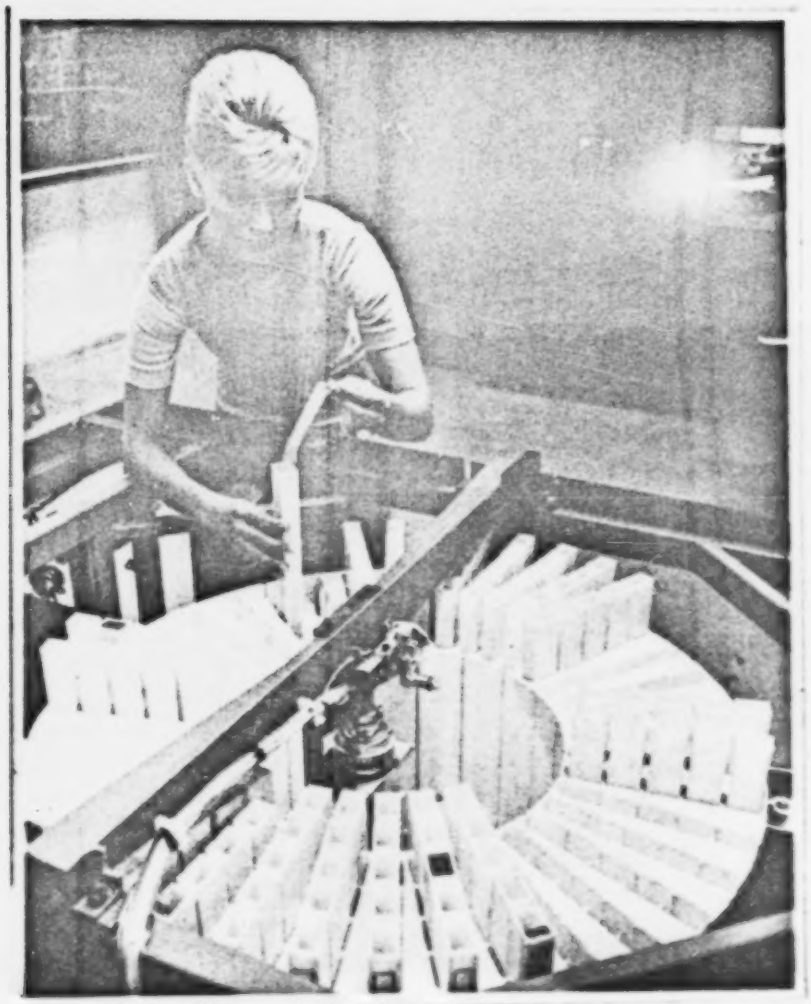

Fig 561ff International Business Machines WALNUT system contains 200 plastic cells loaded with film strips, each cell is equivalent to about 3,000 average sized books. Retrieval of any document is accomplished in a matter of seconds.

Neg. No 1273

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~~MARQUARDT~~ MAGNAVOX

FIS ~~560~~ 561g

Reg. No. 132

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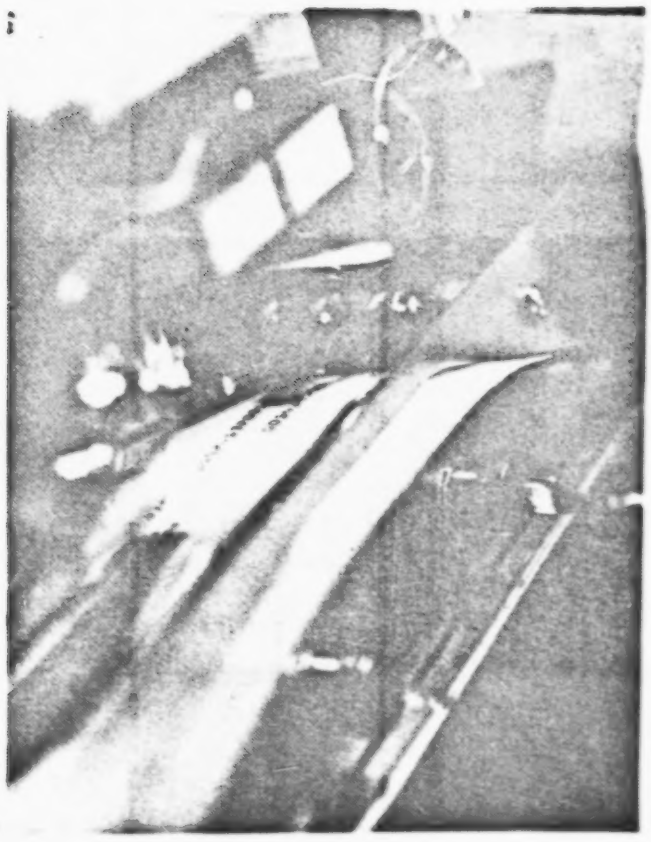
RCA

Fig 561 h.

Neg. No. 133

Ch. _____ Page _____

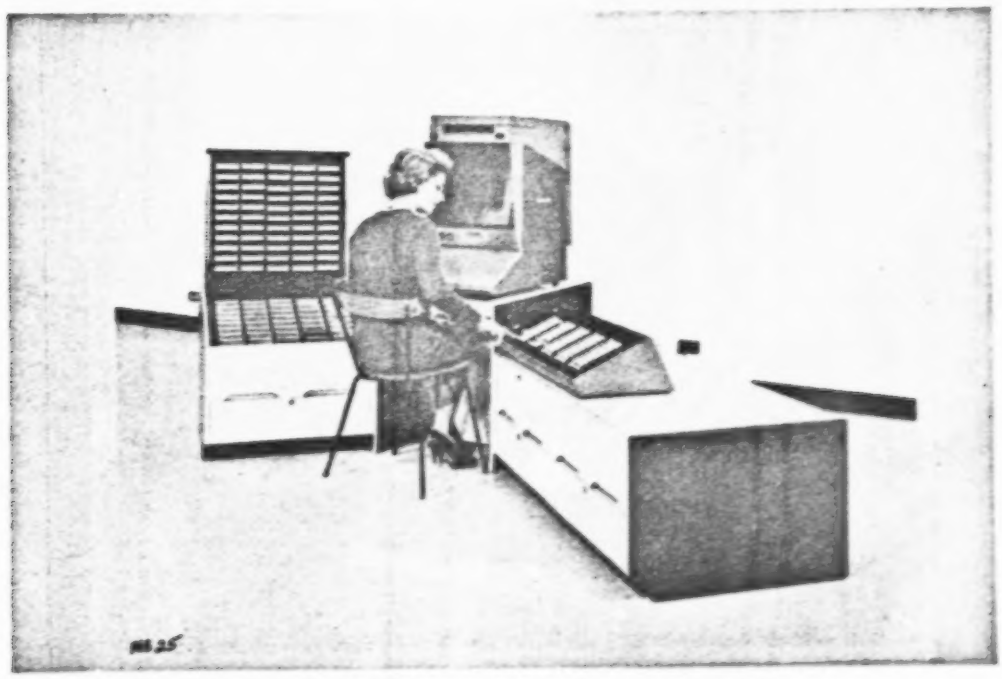


TOP

Fig 561x

RADIO CORPORATION OF AMERICA — high speed optical scanner

Neg. No. 134



"

RECORDAK

FIS 562

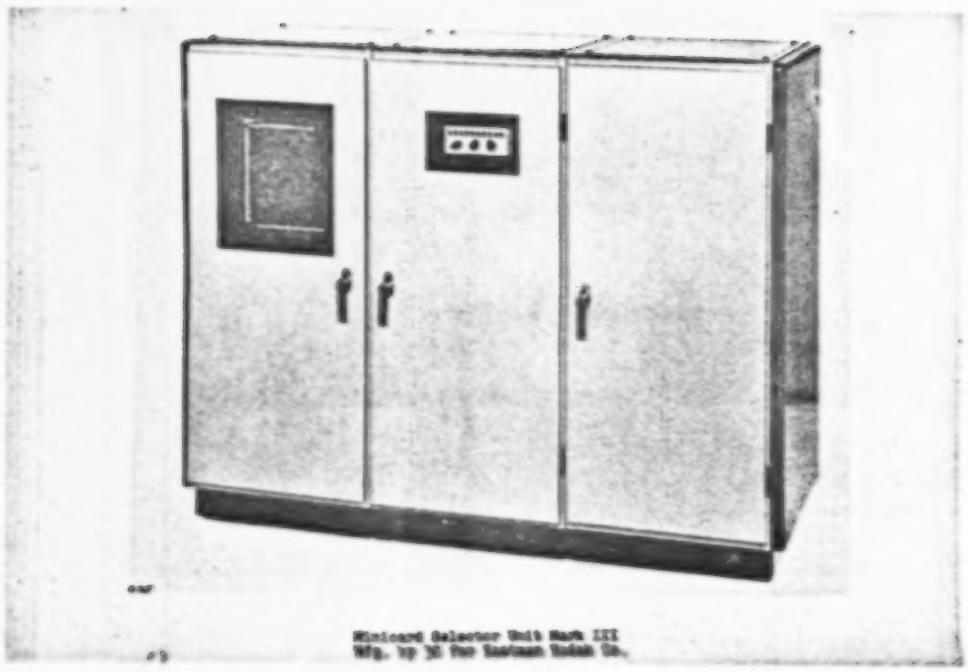
~~FILESCANNER~~

- MIRACODE

Mag. No. 419

Fig 562 a ? Rekordak

Ch. _____ Page _____

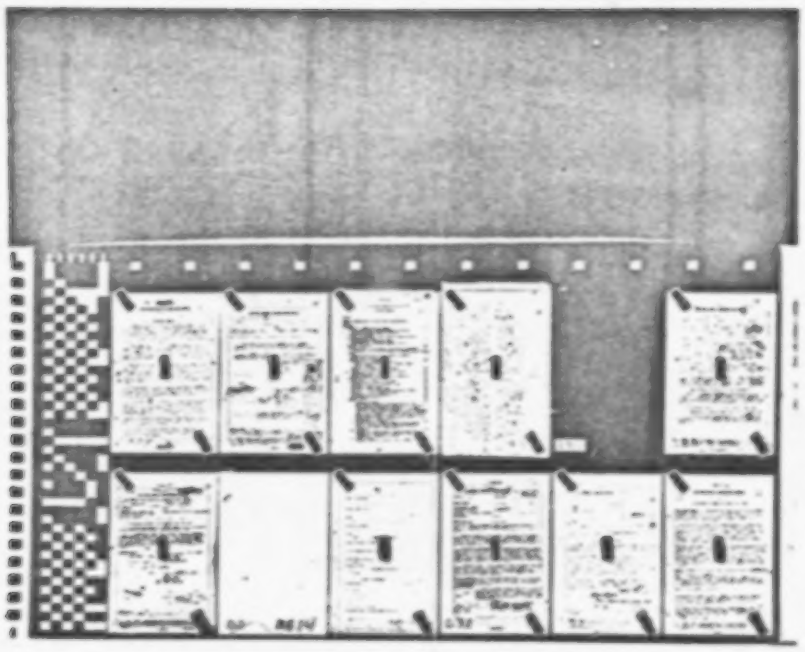


Minicard Selector Unit Mark III
Mfg. by [illegible] for Eastman Kodak Co.

Rekordak
Mincard ✓

Fig 563

Neg. No. 182



RECORDAK MINICARD

Fig 563a

Neg. No. 425

" TELEREGISTER

P13 564

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"DRIVOTRAINER (AETNA).

FIG 567

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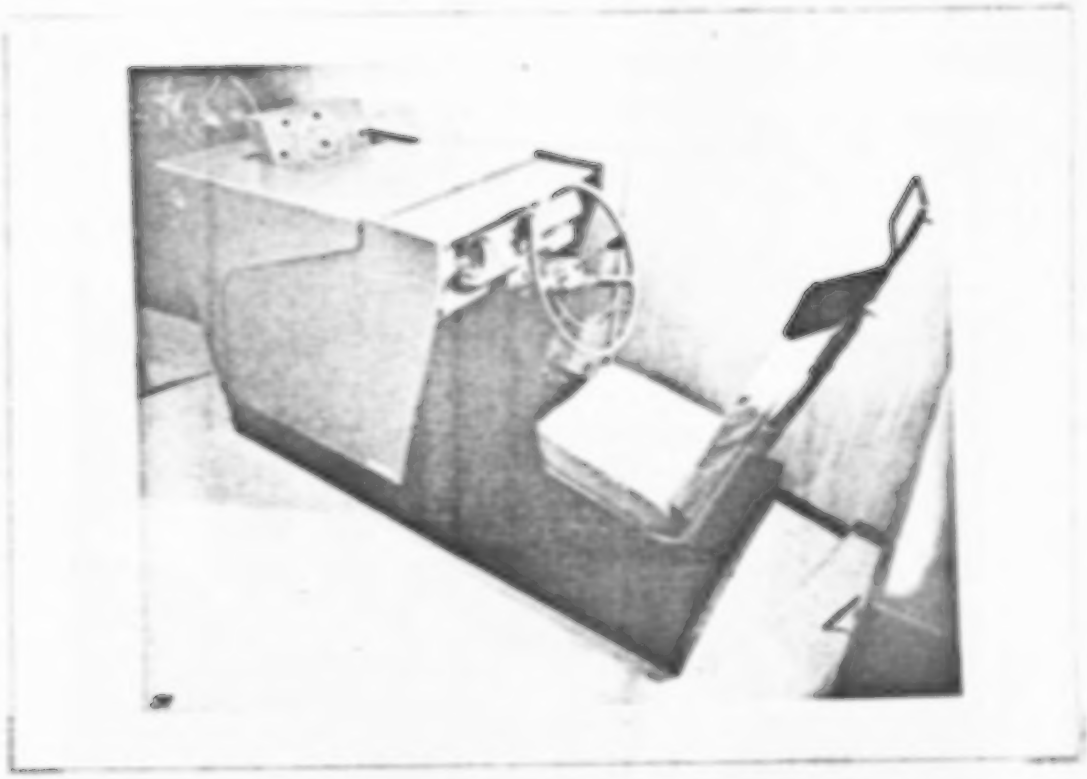

LINK

FIG 561

Ch.____ Page____

"LINK

Fig 569

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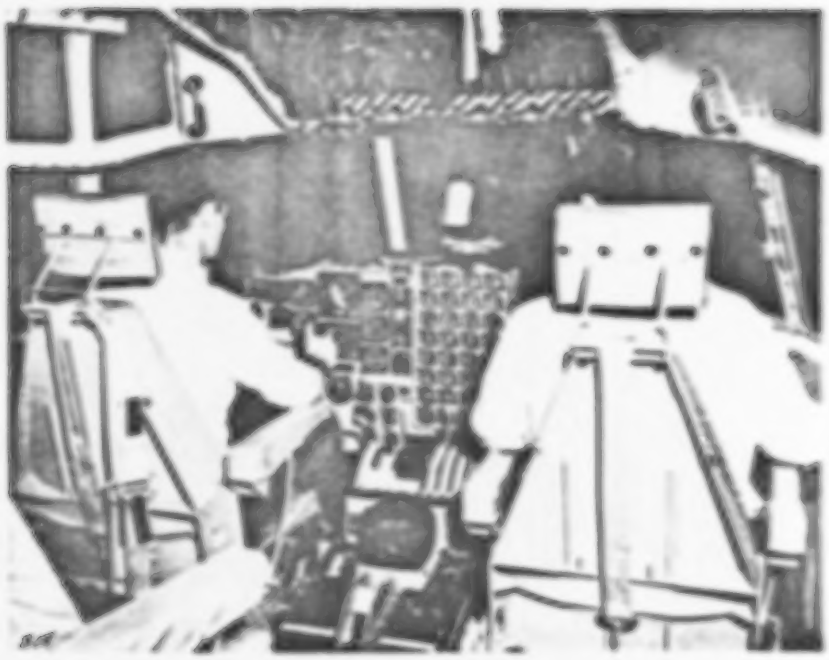

" LINK

Fig 570

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LINK INSTRUCTOES CONSOLE

Fig 571

Reg. No. 189

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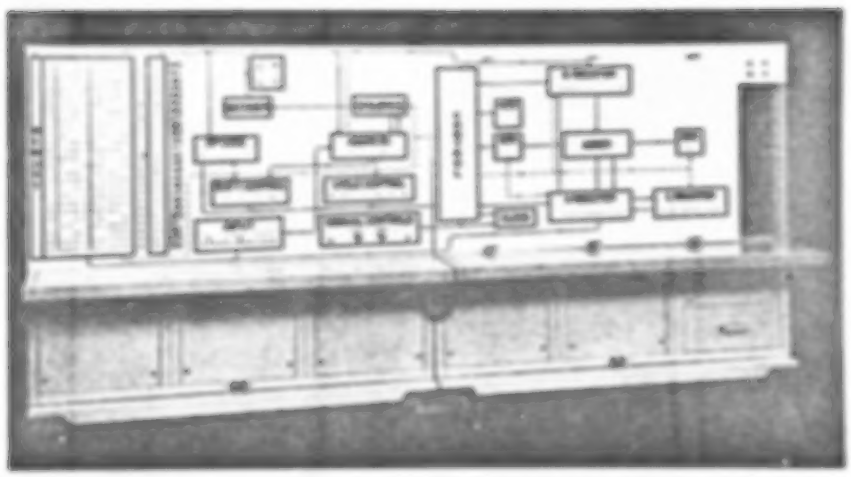

"

COMPUTER CONTROL Co

FIG 512

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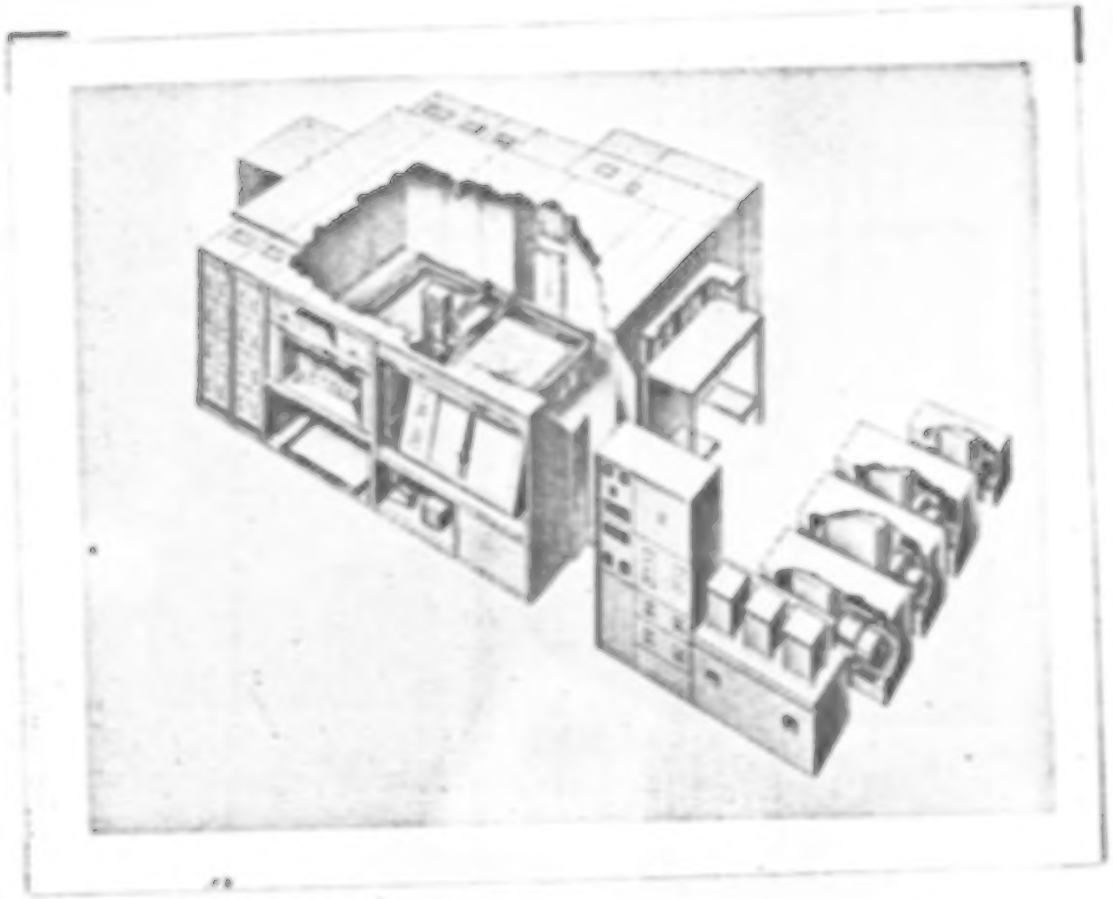
GEN. PRECISION

Fig 513

Reg. No. 192

Ch. _____ Page _____



MARQUAROT

Fig 524

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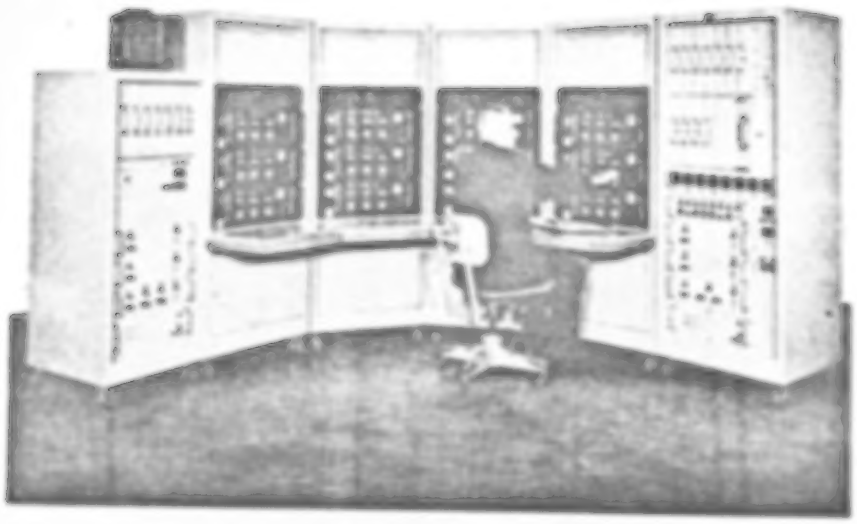

MARQUARDT

Fig 525

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MAST

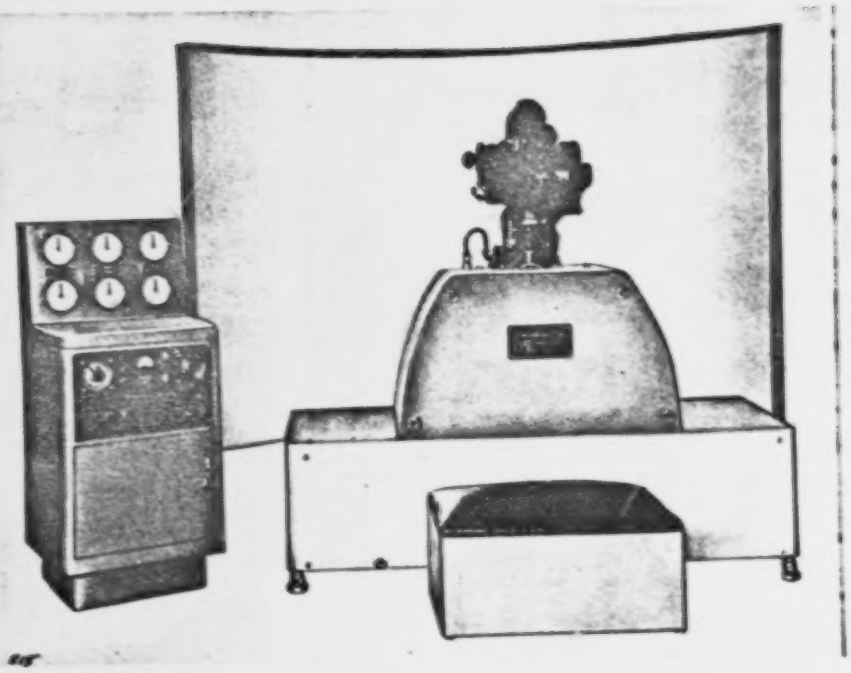
Fig 576

Neg. No 195

Fig 517 MAST

Neg. No 193

Ch. _____ Page _____



MAST

Fig 578

Neg. No 194

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USI ROBODYNE

Fig 529.

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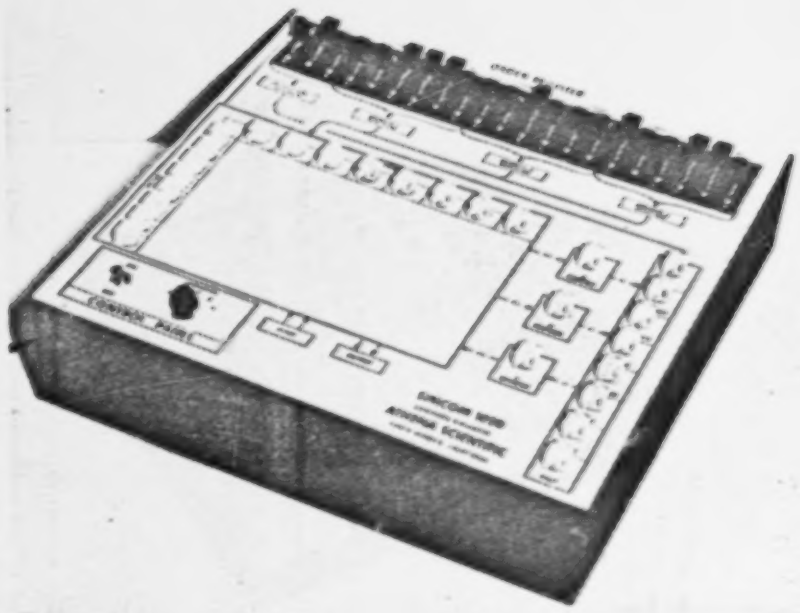

ATHENA SCIENTIFIC

Fig 580

Neg. No 187

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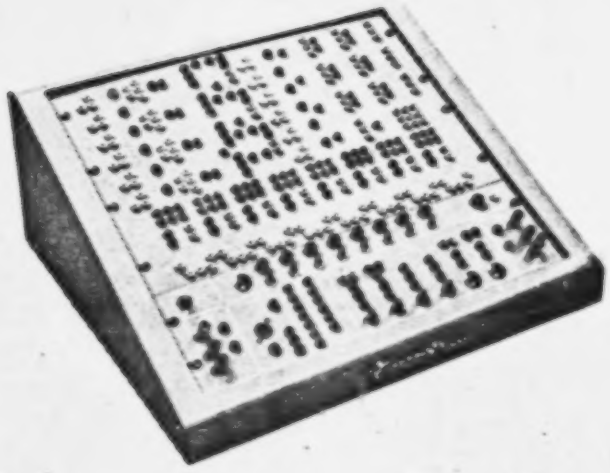

EPSCO

Fig 586

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JANSSEN

Fig 582

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LINK

Fig 583

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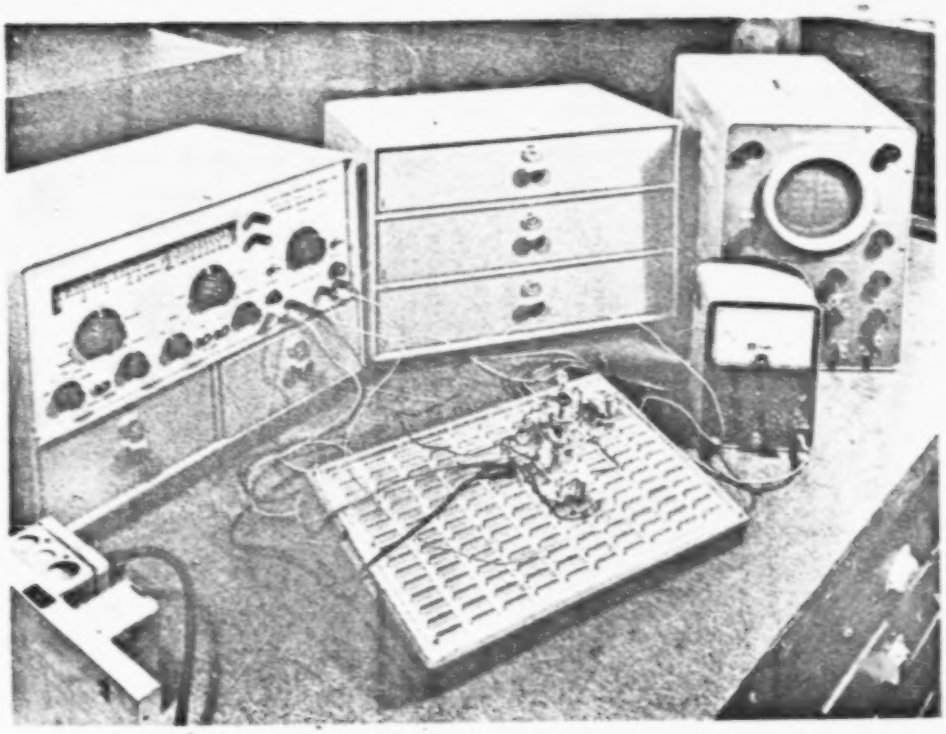

PAROMEL

Fig 584

~~File~~ 1241

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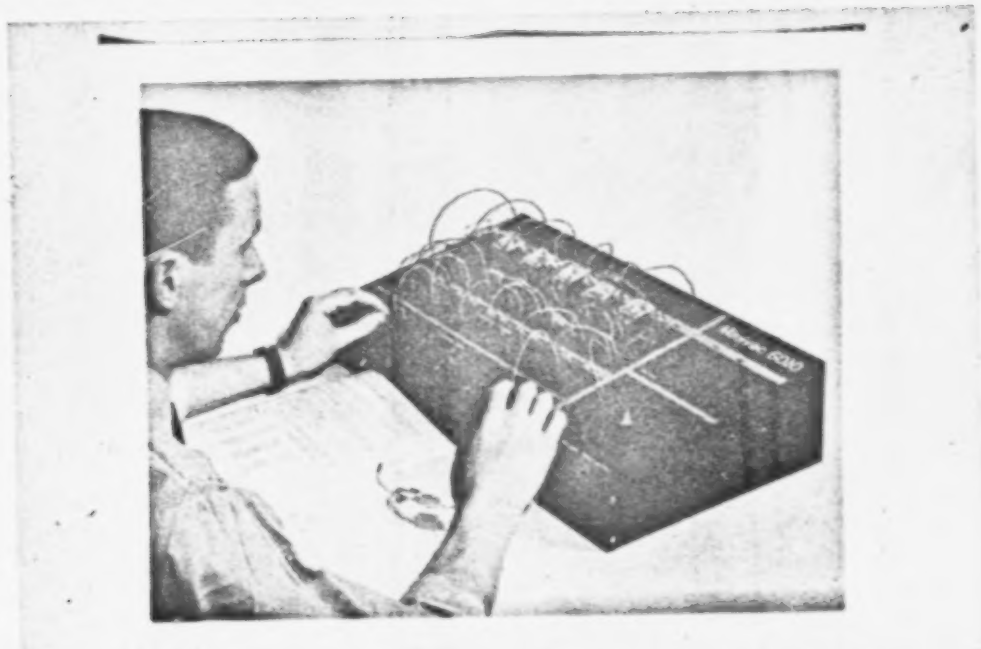

SCIENTIFIC EDUCATION PRODUCTS

FIG 585

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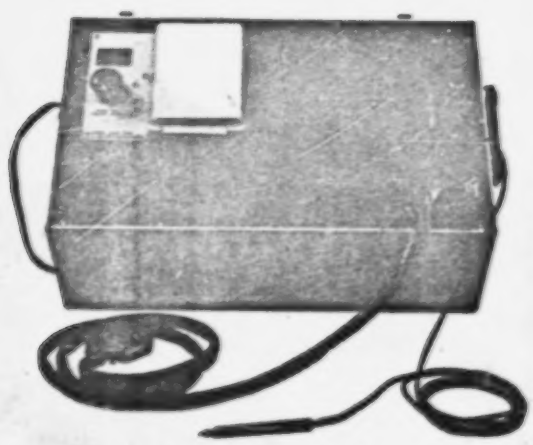

Fig 55B

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UNIVERSAL SCIENTIFIC

Fig 586

Neg No 196

Ch. _____ Page _____

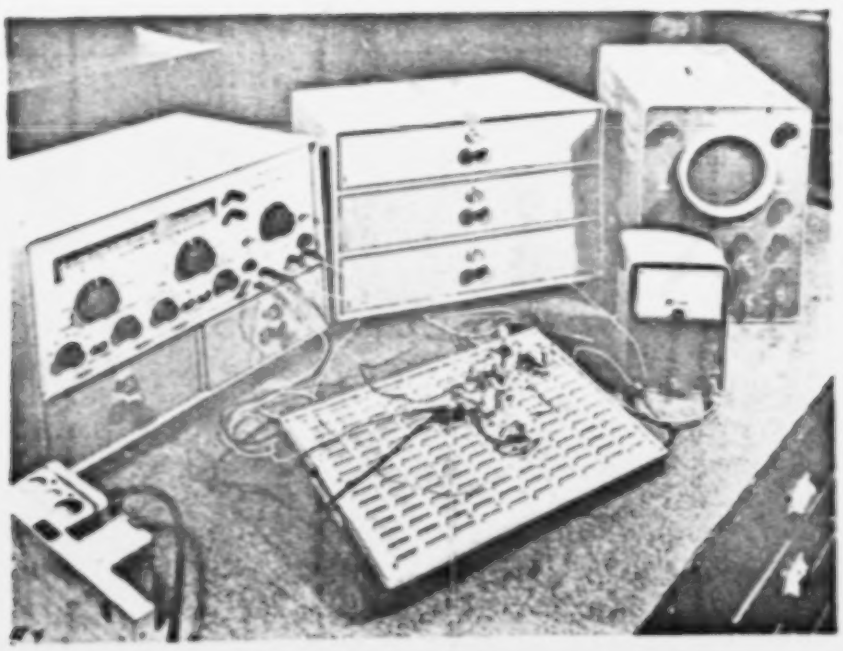

Fig 587

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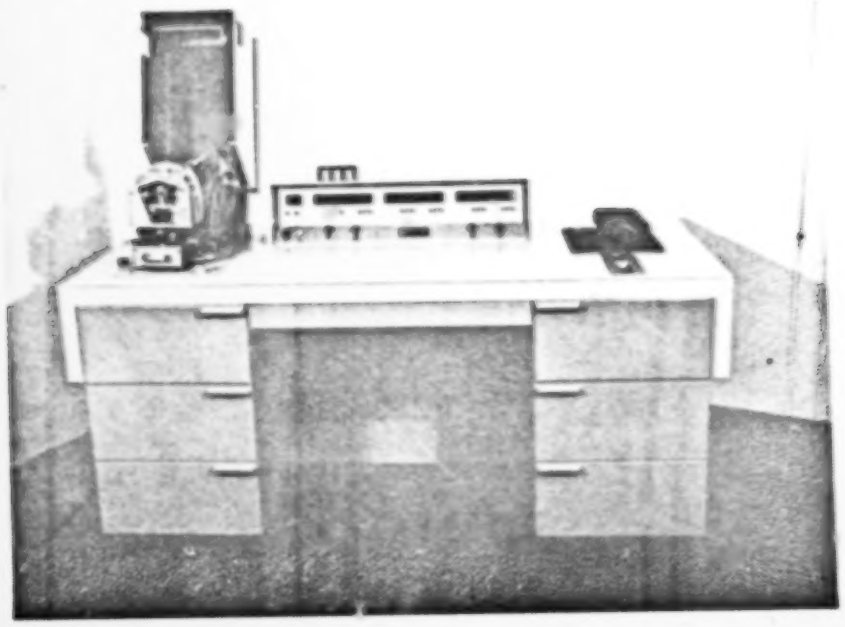

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FIG 59L

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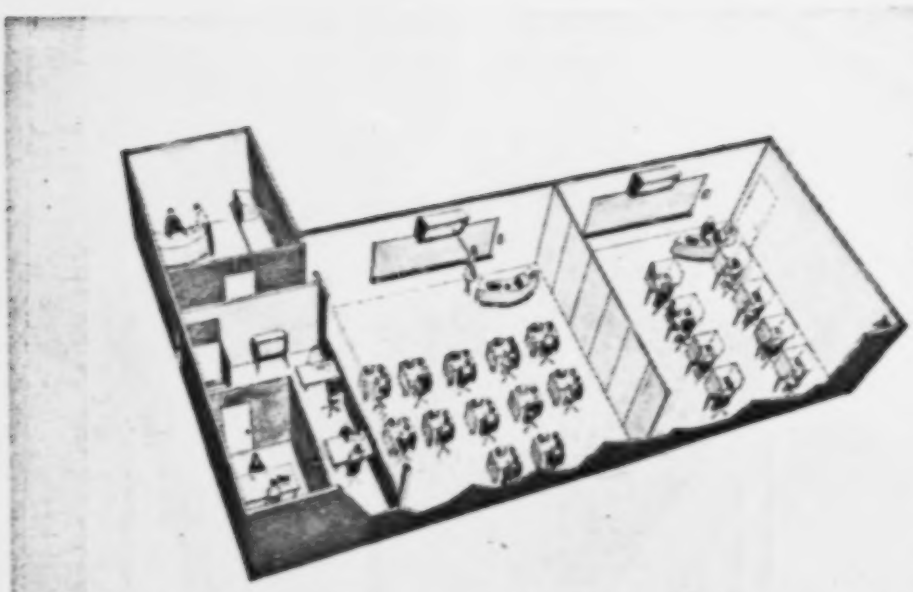

SDC

Fig 593

Neg. No. 93

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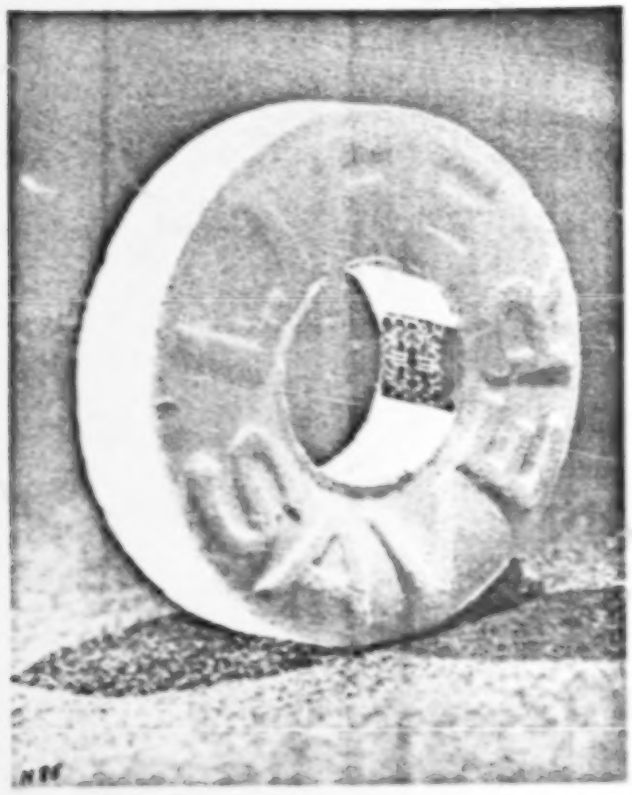
MINIATURIZATION

Fig 594

Neg. No 1242



MICROMINIATURIZATION

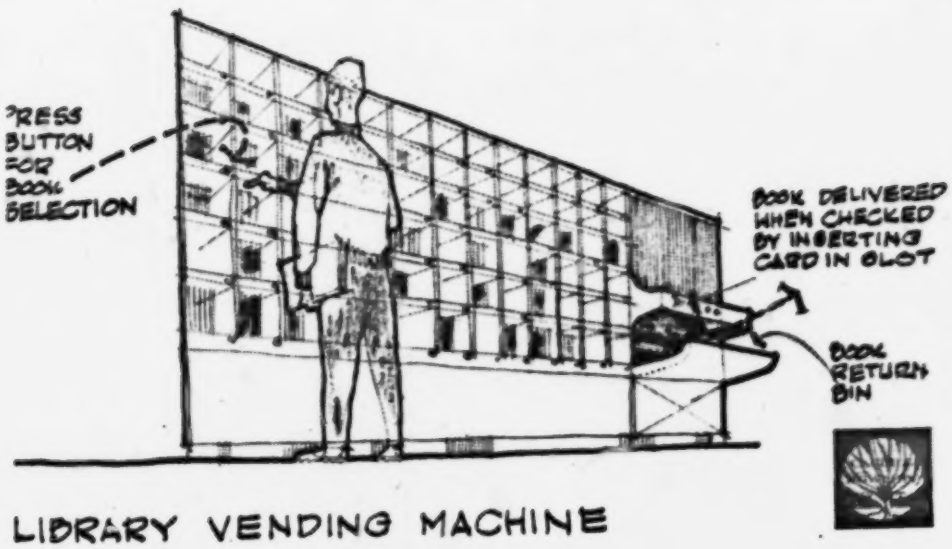
Fig 595

Neg. No 415

Fig 596

Neg. No. 184

Ch. _____ Page _____



LIBRARY VENDING MACHINE

Fig 597

Neg. No. 1243